Kentucky

Agricultural Experiment Station

University of Kentucky

Analyses of Commercial Fertilizers

BULLETIN NO. 282

Lexington, Ky.
December, 1927

EXPERIMENT STATION STAFF

BOARD OF CONTROL

Richard C. Stoll, Chairman, Lexington, Ky.
H. M. Froman, Lexington, Ky.
R. G. Gordon, Louisville, Ky.
Frank McKee, Versailles, Ky.
R. P. Ernst, Covington, Ky.

Frank L. McVey, President

Thomas P. Cooper, Dean and Director

ADMINISTRATION

T. P. Cooper, Director
D. H. Peak, Business Agent
O. L. Ginocchio, Secretary

AGRONOMY

George Roberts, Head
E. J. Kinney, Associate Agronomist
P. E. Karraker, Asst. Agronomist
J. F. Freeman, Supt. Exp. Fields
W. D. Valleau, Plant Pathologist
E. N. Fergus, Asst. Agronomist
J. B. Kelley, Agricultural Engineer
E. M. Johnson, Asst. Plant Pathologist

ANIMAL HUSBANDRY GROUP

E. S. Good, Chairman
W. S. Anderson, Horses
L. J. Horlacher, Beef Cattle, Sheep
E. J. Wilford, Swine, Meats
W. J. Harris, Beef Cattle
J. Holmes Martin, Poultry
L. W. Taylor, Poultry
J. O. Barkman, Act'g in chg. Dairy Husbandry
J. W. Nutter, Dairyman
Amanda Harms, Asst. Path. Bact.
G. D. Buckner, Animal Nutrition
Harold Barber, Head Herdsman

ANIMAL PATHOLOGY

W. W. Dimock, Head, Vet. Science
Philip Edwards, Asst. Bacteriologist
F. E. Hull, Asst. Veterinarian

CHEMISTRY

J. S. McHargue, Acting Head
A. M. Peter, Chemist
S. D. Averitt, Chemist
O. M. Shedd, Chemist
W. D. Iler, Asst. Chemist
D. J. Healy, Bacteriology
E. S. Hill, Asst. Chemist

CREAMERY LICENSE SECTION

J. D. Foster, Inspector, in Charge
W. C. Eskew, Inspector

ENTOMOLOGY AND BOTANY

H. Garman, Head
Mary L. Didlake, Asst. Entomologist
H. H. Jewett, Research Asst. Entgst.
Jessie Terry, Seed Analyst
Lucille Dobbins, Seed Analyst

FARM ECONOMICS

W. D. Nicholls, Head
W. G. Finn, Farm Management
W. L. Rouse, Farm Management
R. E. Proctor, Farm Management
*Z. L. Galloway,

FEED CONTROL

J. D. Turner, Head
H. D. Spears, Chemist
W. G. Terrell, Inspector
Fred Fitschen, Inspector
L. V. Amburgey, Microscopist

FERTILIZER CONTROL

H. E. Curtis, Head
Harry Allen, Chemist
Leiah Gault, Asst. Chemist
Robert Mathews, Inspector

HOME ECONOMICS

Mariel Hopkins, Head
Statie Erikson, Asst.

HORTICULTURE

C. W. Mathews, Head
A. J. Olney, Asst.
C. S. Waltman, Asst.

MARKETS AND RURAL FINANCE

O. B. Jesness, Head
Dana G. Card, Marketing
E. C. Johnson, Marketing
K. R. Zent, Marketing

PUBLIC SERVICE LABORATORY

L. A. Brown, Head
A. L. Meader, Asst. Chemist
James H. Martin, Asst. Chemist
E. K. Borman, Bacteriologist
O. H. Pinney, Asst. Bacteriologist

ROBINSON SUBSTATION
(Quicksand, Ky.)

R. W. Jones, Superintendent
C. H. Burrage, Forester
Lula Hale, Field Worker

WESTERN KENTUCKY SUBSTATION
(Princeton, Ky.)

S. J. Lowry, Superintendent

*Assigned by the U. S. Department of Agriculture.

BULLETIN NO. 282

Analyses of Commercial Fertilizers

By H. E. Curtis, H. R. Allen and Lelah Gault

This Bulletin gives the names of all brands of fertilizer registered in this State during the year 1927, the names of the manufacturers, and the official analyses.

Those interested in the use of fertilizers for different crops should apply to the College of Agriculture, the Experiment Station, or to their County Agent, and such literature as bears on the subject in which they are interested will be furnished. Bulletins No. 228 and 272 of the Experiment Station, showing the results obtained on the soil experiment fields, are of special interest to all users of fertilizers.

Samples Analyzed.

There were registered during the year a total of 706 brands of fertilizer as follows:

Complete fertilizers, containing all three of the essential ingredients—phosphoric acid, nitrogen and potash	443 brands
Nitrogenous superphosphates	26 brands
Superphosphate and potash mixtures	66 brands
Superphosphates	92 brands
Bones, tankage, etc	59 brands
Nitrate of soda, sulfate of ammonia, etc	15 brands
Potash salts	5 brands

We have analyzed 710 samples of fertilizer collected by our inspectors or sent in by various persons of the State, in addition to the official samples. These analyses are to be found in the following pages, and have been divided into two groups—The first group, Table I, contains all analyses that are considered satisfactory, either because the analyses run high in all respects, or the deficiency in one ingredient is fully met by the excess in another. The second group, Table II, contains those analyses that are considered deficient.

As has been our custom in the past, we have shown an index of relative value for the purpose of comparison. The following factors have been used in computing these values:

Available phosphoric acid in mixed fertilizers	1.5
Available phosphoric acid in superphosphates	1.2
Insoluble phosphoric acid in complete fertilizers	0.4
Insoluble phosphoric acid in nitrogenous superphosphates	0.4
Phosphoric acid in bone	1.0
Nitrogen in all fertilizers	4.0
Potash from muriate	1.2
Potash from sulfate	1.5

Explanation of the Tables.

In the tables of analyses, following the name of each brand, will be found the analyses of such samples as have been collected by our inspectors, sent in by farmers, or furnished by the manufacturer, and the manufacturer's guaranty, printed last in italic figures. In Table II the figures set in bold-face type are those results which are considered too low to be acceptable. In a number of cases the same brand of fertilizer will be found in both Tables, I and II—in which case they are marked in each table with a (†) dagger.

There are a number of samples in which the potash is guaranteed from sulfate and the analysis shows the potash classed as muriate. Some of these analyses have been placed in Table I while others were placed in Table II.

It will be noticed that a number of analyses have been put into Table II on account of the deficiency in total phosphoric acid. This comes from attempting to show a large amount of insoluble phosphoric acid in addition to the guaranty of available phosphoric acid, and, on account of this tendency to show a larger percent of insoluble phosphoric acid than the goods contain, it has been deemed advisable to classify them among the deficient brands of fertilizer, hoping in this manner to induce the manufacturer to change these larger guarantees of 4% or 5% insoluble phosphoric acid to 1% or 2%. The report this year shows quite an improvement in this respect.

Effective January 1, 1927, the following standards were made in an effort to raise the grade of the formulas sold in the state.

1. Complete fertilizers must contain a minimum of 12 per cent of ammonia, phosphoric acid and potash, the ammonia and potash being not less than 1 per cent each.

2. Ammoniated phosphates must contain 14 per cent of ammonia and phosphoric acid, the ammonia being not less than 2 per cent.

3. Phosphate and potash mixtures must contain 14 per cent of phosphoric acid and potash, the potash being not less than 4 per cent.

4. Superphosphates must contain not less than 16 per cent of available phosphoric acid.

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	A. D. Adair and McCarty Bros., Inc., Atlanta, Ga., Chattanooga, Tenn.	
91444	A. and M. Special Tobacco and Potato Grower	Manufacturer Guaranteed
91445	Adair's Soluble Pacific Guano	Manufacturer Guaranteed
91446	A. and M. Old Reliable Fertilizer	Manufacturer Guaranteed
91447	A. and M. High Grade Potash Compound	Manufacturer Guaranteed
91986	A. and M. H. Gr. Acid Phosphate No. 16	Marion Milling Co., Marion Ratliff Hardware Co., Princeton
91987		Guaranteed
91736	A. and M. H. Gr. Acid Phosphate No. 18	Manufacturer Guaranteed
	Alabama Chemical Co., (of Ala.), Montgomery, Ala.	
91988	Red Cross Acid Phosphate	E. H. Cohen, Greenville
92375		Cayce-Yost Co., Hopkinsville
		Guaranteed
91701	Red Cross Tobacco Special	Manufacturer Guaranteed
92285	Red Cross Acid and Potash	Manufacturer Guaranteed
	American Ag. Chem. Co., Inc., Cincinnati, O.	
91119	A. A. Paramount Fertilizer	Manufacturer Guaranteed
91120	A. A. High Grade Tobacco Grower	Manufacturer Guaranteed
91121	A. A. Corn and Cotton Grower	Manufacturer Guaranteed
91122	A. A. High Potash Tobacco Grower	Manufacturer Guaranteed
91123	A. A. Tobacco and Truck Fertilizer	Manufacturer Guaranteed
91749	†A. A. Kentucky Tobacco Grower	Geo. L. Gillum and Son, Russellville
92376		I. D. Jones, Allegree
		Guaranteed
91125	A. A. Sure Crop Fertilizer	Manufacturer Guaranteed
91126	A. A. Apex Mixture	Manufacturer Guaranteed
91127	A. A. 20% Acid Phosphate	Manufacturer Guaranteed
91128	A. A. 16% Acid Phosphate	Manufacturer Guaranteed
91751	A. A. Ground Bone	Hill Hardware Co., Bowling Green
92287		E. S. Ferrill and Sons, Buffalo
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.25	0.60	8.85			1.35	1.62	1.97	5.12		25.2	91444
8.00						*1.65*	*2.00*	*4.00*		*23.4*	
11.40	0.90	12.30			1.71	1.97	2.39	2.13		27.9	91445
10.00						*1.65*	*2.00*	*2.00*		*24.0*	
10.25	1.05	11.30			2.27	2.71	3.29	3.17		30.4	91446
10.00						*2.47*	*3.00*	*3.00*		*28.5*	
11.45	0.55	12.00						5.35		23.6	91447
10.00								*4.00*		*19.8*	
17.25	0.85	18.10								20.7	91986
16.50	1.20	17.70								19.8	91987
16.00										*19.2*	
19.00	0.20	19.20								22.8	91736
18.00										*21.6*	
17.85	0.55	18.40								21.4	91988
17.10	0.70	17.80								20.5	92375
16.00										*19.2*	
9.85	0.90	10.75			2.40	2.40	2.91	3.20		28.6	91701
10.00	*1.00*	*11.00*				*2.47*	*3.00*	*3.00*		*28.9*	
9.70	0.80	10.50						4.61		20.1	92285
10.00								*4.00*		*19.8*	
8.20	1.20	9.40			2.13	2.43	2.95	1.04	5.23	31.6	91119
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.70	0.70	11.40			2.24	2.44	2.96		3.25	31.0	91120
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
12.65	2.50	15.15			1.30	1.65	2.00	1.64	0.62	29.5	91121
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
8.90	0.60	9.50			1.67	1.67	2.03	10.15		32.5	91122
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
8.80	0.60	9.40			1.70	1.70	2.06		5.00	27.7	91123
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
10.35	1.75	12.10			1.46	1.71	2.08	1.97		25.4	91749
10.50	2.10	12.60			1.20	1.68	2.04	2.33		26.1	92376
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
8.50	0.85	9.35			0.85	0.85	1.03	4.19		21.5	91125
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
14.35	1.30	15.65						2.12	2.28	27.5	91126
14.00								*4.00*		*25.8*	
20.70	1.05	21.75								24.8	91127
20.00										*24.0*	
15.90	1.50	17.40								19.1	91128
16.00										*19.2*	
		28.80	86	14		1.81	2.20			36.0	91751
		27.20	73	27		2.08	2.53			35.5	92287
		27.00				*1.65*	*2.00*			*33.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Ag. Chem. Co., Inc., Cincinnati, O.—Con.	
91752	A. A. Basic Lime Phosphate	W. T. Nunn, Horse Cave
91753		Mayhew Feed Co., Franklin
91754		J. H. Jasper, W. Somerset
91989		Hill Lawson, Middlesboro
92288		Lebanon Carriage & Impl. Co., Lebanon
92289		Estes & Hines, Science Hill
92290		E. S. Ferrill & Sons, Buffalo
92447		Vine Grove Feed Co., Vine Grove
		Guaranteed
92283	A. A. Raw Bone	Manufacturer
		Guaranteed
91755	Bowker's Paramount Fertilizer	Mayhew Feed Co., Franklin
		Guaranteed
91990	Bowker's H. Gr. Tobacco Grower	Pollard Bros., Cropper
		Guaranteed
91991	Bowker's H. Gr. Potash Tobacco	Harvey Stout & Sons, Fern Creek
91992	Grower	I. D. Jones, Allegree
		Guaranteed
91993	Bowker's Tobacco Grower	Harvey Stout & Sons, Fern Creek
		Guaranteed
91994	Bowker's Harvest Queen Fertilizer	I. D. Jones, Allegree
92291		Estes & Hines, Science Hill
92377		I. D. Jones, Allegree
		Guaranteed
91135	Bowker's Apex Mixture	Manufacturer
		Guaranteed
91756	Bowker's 20% Acid Phosphate	J. W. Schoolcraft, Somerset
		Guaranteed
91757	Bowker's 16% Acid Phosphate	Mayhew Feed Co., Franklin
91758		J. W. Schoolcraft, Somerset
92292		Estes & Hines, Science Hill
92378		R. A. Mayhew Feed Co., Franklin
		Guaranteed
91995	Mich. Carbon Paramount Fertilizer	H. L. Sparks & Co., N. Pleasureville
91996		Bedford & Tuttle, Winchester
91997		W. H. Broach, Murray
		Guaranteed
91759	Michigan Carbon Homestead To-	J. F. Collings, Shepherdsville
91998	bacco Grower	Bedford & Tuttle, Winchester
91999		Pollard Bros., Cropper
92000		E. S. Ferrill & Sons, Buffalo
92448		J. F. Collings, Shepherdsville
92475		Denton Hardware Co., Madisonville
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
13.45	2.05	15.50								16.1	91752
13.45	2.20	15.65								16.1	91753
13.40	1.50	14.90								16.1	91754
13.95	2.25	16.20								16.7	91989
13.60	1.35	14.95								16.3	92288
13.00	2.10	15.10								15.6	92289
13.05	2.35	15.40								15.7	92290
12.60	1.80	14.40								15.1	92447
13.00										*15.6*	
		20.60	77	23		3.55	4.31			34.8	92283
		20.00				*3.29*	*4.00*			*33.2*	
7.90	2.20	10.10			2.08	2.43	2.95	1.08	5.12	31.4	91755
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.15	1.05	12.20			2.38	2.38	2.89		2.90	31.0	91990
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
8.35	1.15	9.50			1.47	1.47	1.78	10.15		31.1	91991
8.45	1.15	9.60			1.32	1.52	1.85	10.49		31.8	91992
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
9.45	0.95	10.40			1.47	1.68	2.04	0.60	4.60	28.9	91993
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
7.65	1.75	9.40			0.82	0.82	1.00	4.43		20.8	91994
8.25	1.10	9.35			0.79	0.79	0.96	3.86		20.6	92291
8.35	1.25	9.60			0.56	0.86	1.04	4.11		21.4	92377
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
14.35	1.30	15.65						2.12	2.28	27.5	91135
14.00								*4.00*		*25.8*	
20.80	1.80	22.60								25.0	91756
20.00										*24.0*	
16.80	1.85	18.65								20.2	91757
15.65	2.35	18.00								18.8	91758
16.10	1.80	17.90								19.3	92292
16.25	1.75	18.00								19.5	92378
16.00										*19.2*	
8.90	1.50	10.40			0.21	2.37	2.88	1.68	4.33	32.0	91995
9.05	1.50	10.55			2.16	2.41	2.93	1.08	4.77	32.3	91996
9.30	1.20	10.50			2.01	2.27	2.76	0.92	4.98	32.1	91997
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.50	1.50	12.00			2.23	2.44	2.96		2.83	30.4	91759
10.50	1.40	11.90			2.19	2.43	2.95		2.90	30.4	91998
10.50	1.25	11.75			2.26	2.51	3.05		2.92	30.7	91999
11.40	1.10	12.50			2.07	2.33	2.83		2.90	31.2	92000
10.15	2.50	12.65			2.15	2.49	3.02		3.15	30.9	92448
10.75	1.75	12.50			2.08	2.41	2.93		2.87	30.8	92475
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Ag. Chem. Co., Inc., Cincinnati, O.—Con.	
91760	†Michigan Carbon Homestead Bone Black Fertilizer	J. F. Collings, Shepherdsville
91761		J. W. Schoolcraft, Somerset
91762		Lebanon Carriage & Impl. Co., Lebanon
92001		E. S. Ferrill & Sons, Buffalo
92293		Clem Keltner, Campbellsville
92379		Auburn Roller Mills, Auburn
		Guaranteed
91763	Michigan Carbon High Potash Tobacco Grower	Cayce-Yost Co., Hopkinsville
92002		Bedford & Tuttle, Winchester
92003		Pollard Bros., Cropper
92295		Clem Keltner, Campbellsville
		Guaranteed
91764	†Michigan Carbon Homestead Potato and Tobacco Special	J. W. Schoolcraft, Somerset
91765		C. B. Carden, Hartford
91766		Denton Hardware Co., Madisonville
92004		S. A. Browning, Vanceburg
92005		Conner-Hayden Co., Bardstown
		Guaranteed
91767	Michigan Carbon Red Line Complete Manure	J. W. Schoolcraft, Somerset
91768		C. B. Carden, Hartford
91769		Denton Hardware Co., Madisonville
92006		Bedford & Tuttle, Winchester
92296		W. T. Nunn, Horse Cave
		Guaranteed
91770	Michigan Carbon Apex Mixture	J. W. Schoolcraft, Somerset
		Guaranteed
91771	Mich. Carbon 20% Acid Phosphate	W. T. Nunn, Horse Cave
92007		S. A. Browning, Vanceburg
		Guaranteed
91772	Mich. Carbon 16% Acid Phosphate	C. B. Carden, Hartford
91773		Denton Hardware Co., Madisonville
92008		Tollesboro Supply Co., Tollesboro
92009		Conner-Hayden Co., Bardstown
92286		W. T. Nunn, Horse Cave
92297		Farm Bureau Supply Co., Elizabethtown
		Guaranteed
91147	Horseshoe Paramount Fertilizer	Manufacturer
		Guaranteed
91774	Horseshoe H. Gr. Tobacco Grower	W. D. Harris, Franklin
92010		Geo. W. Hill Co., Covington
		Guaranteed
91149	Horseshoe High Potash Tobacco Grower	Manufacturer
		Guaranteed
91776	†Horseshoe Tobacco Grower	W. D. Harris, Franklin
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.25	1.85	10.10			1.72	2.07	2.51	1.65		23.4	91760
7.60	2.30	9.90			1.70	2.08	2.53	2.05		23.1	91761
8.30	1.65	9.95			1.63	1.99	2.42	1.61		23.0	91762
9.00	0.90	9.90			1.59	1.94	2.36	1.93		23.9	92001
8.30	1.25	9.55			1.73	2.02	2.45	1.32	0.46	23.3	92293
8.05	0.30	8.35			1.78	2.09	2.54	1.57		22.4	92379
8.00	*2.00*	*10.00*				*2.06*	*2.50*	*1.50*		*22.8*	
8.80	1.30	10.10			1.61	1.61	1.95	10.56		32.8	91763
8.70	1.20	9.90			1.49	1.49	1.81	9.91		31.4	92002
8.50	1.30	9.80			1.60	1.60	1.94	9.47		31.0	92003
7.90	1.90	9.80			1.41	1.64	1.99	10.09		31.3	92295
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
8.35	1.25	9.60			1.38	1.63	1.98	0.64	4.52	27.1	91764
9.75	0.95	10.70			1.67	1.67	2.03	4.26	0.80	28.0	91765
9.20	1.10	10.30			1.48	1.69	2.05	0.88	4.55	28.9	91766
8.90	1.20	10.10			1.68	1.68	2.04	0.60	4.81	28.5	92004
8.25	1.20	9.45			1.44	1.66	2.02	0.68	4.58	27.2	92005
8.00	*2.00*	*10 00*				*1.65*	*2.00*		*5.00*	*26.9*	
8.45	1.10	9.55			0.95	0.95	1.15	3.81		21.5	91767
8.20	1.35	9.55			0.67	0.93	1.13	4.28		21.7	91768
8.00	1.70	9.70			0.95	0.95	1.15	3.28	1.17	22.2	91769
8.30	1.35	9.65			0.72	0.93	1.13	4.19		21.7	92006
8.35	1.15	9.50			0.90	0.90	1.09	3.95		21.3	92296
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
13.70	1.65	15.35						4.06		25.4	91770
14.00								*4.00*		*25.8*	
20.00	1.90	21.90								24.0	91771
20.05	2.10	22.15								24.1	92007
20.00										*24.0*	
16.90	2.40	19.30								20.3	91772
17.45	1.55	19.00								20.9	91773
17.20	1.40	18.60								20.6	92008
16.85	1.80	18.65								20.2	92009
16.80	1.90	18.70								20.2	92286
16.55	1.80	18.35								19.9	92297
16.00										*19.2*	
8.20	1.20	9.40			2.13	2.43	2.95	1.04	5.23	31.6	91147
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.15	1.25	12.40			2.26	2.51	3.05		2.65	30.5	91774
11.65	1.05	12.70			2.24	2.46	2.99		2.90	32.1	92010
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
8.90	0.60	9.50			1.67	1.67	2.03	10.15		32.5	91149
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*10.00*		*31.4*	
9.40	0.70	10.10			1.67	1.67	2.03	0.56	4.29	28.2	91776
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	American Ag. Chem. Co., Inc.,	**Cincinnati, O.—Con.**
91777	Horseshoe Challenge Corn Grower..	J. H. Jasper, W. Somerset
92011		E. S. Ferrill & Sons, Buffalo
92012		Sam Terry, Big Clifty
92298		E. S. Ferrill & Sons, Buffalo
92381		Grayson County Supply Co., Leitchfield..
		Guaranteed
91778	Horseshoe Dark Tobacco Grower....	J. H. Jasper, W. Somerset
		Guaranteed
91779	Horseshoe Apex Mixture	J. H. Jasper, W. Somerset
		Guaranteed
91780	Horseshoe 20% Acid Phosphate.....	J. H. Jasper, W. Somerset
		Guaranteed
91781	Horseshoe 16% Acid Phosphate.....	J. H. Jasper, W. Somerset
92013		Geo. W. Hill, Covington
92014		E. S. Ferrill & Sons, Buffalo
92382		F. M. Mitchell, Scottsville
		Guaranteed
91782	Horseshoe Corn & Wheat Phosphate	J. H. Jasper, W. Somerset
92015		E. S. Ferrill & Sons, Buffalo
92299		E. S. Ferrill & Sons, Buffalo
		Guaranteed
	Anglo-Chilean Nitrate Sales Corp.,	**New York City, N. Y.**
92271	Nitrate of Soda	*
		Guaranteed
	Armour Fertilizer Works,	**Cincinnati, Nashville, Jeffersonville**
92016	Big Crop 2-12-2 Fertilizer	Brent & Co., Paris
92449		J. E. Snodgrass, Love
		Guaranteed
91296	Big Crop 2-10-4 Fertilizer	Manufacturer
		Guaranteed
91783	Armour's 1-12-1 Fertilizer	J. W. Schoolcraft, Somerset
92300		J. W. Schoolcraft, Somerset
		Guaranteed
91784	Armour's 2-8-2 Fertilizer	J. W. Schoolcraft, Somerset
91785		Henderson & Hardy Co., Shepherdsville..
92017		C. S. Brent Seed Co., Lexington
92301		J. W. Schoolcraft, Somerset
92450		Henderson & Hardy Co., Shepherdsville..
		Guaranteed
91299	Armour's 2-12-0 Fertilizer	Manufacturer
		Guaranteed
91300	Armour's Bonus "A" Humus	Manufacturer
		Guaranteed
91786	Armour's 1-8-4 Fertilizer	J. W. Schoolcraft, Somerset
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.30	1.80	12.10			1.48	1.71	2.08	2.13		25.6	91777
9.95	2.00	11.95			1.41	1.66	2.02	2.05		24.8	92011
10.20	2.40	12.60			1.48	1.74	2.11	2.19		25.9	92012
10.30	1.95	12.25			1.38	1.66	2.02	1.89		25.1	92298
9.85	1.60	11.45			1.53	1.84	2.23	1.68	0.69	25.8	92381
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
8.40	1.20	9.60			0.88	0.88	1.07	4.17		21.6	91778
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
13.90	1.85	15.75						4.85		26.7	91779
14.00								*4.00*		*25.8*	
20.75	1.90	22.65								24.9	91780
20.00										*24.0*	
16.45	2.05	18.50								19.7	91781
17.20	1.55	18.75								20.6	92013
17.90	1.20	19.10								21.5	92014
17.20	1.30	18.50								20.6	92382
16.00										*19.2*	
10.95	1.75	12.70			1.20	1.20	1.46	1.50		23.7	91782
11.50	1.50	13.00			0.92	0.92	1.12	1.29		23.1	92015
10.10	1.20	11.30			0.97	0.97	1.18	1.28		21.1	92299
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
											92271
						15.50	*18.82*			*62.0*	
11.40	0.70	12.10			1.65	1.65	2.00	2.16	0.54	27.4	92016
12.00	1.00	13.00			1.64	1.64	1.99	2.04		27.4	92449
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.50	2.60	13.10			1.72	1.72	2.09	4.33		28.9	91296
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
11.65	0.70	12.35			0.82	0.82	1.00	1.15		22.4	91783
11.50	0.75	12.25			0.84	0.84	1.02	1.30		22.5	92300
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
7.75	0.45	8.20			1.59	1.59	1.93	1.83		20.4	91784
8.80	0.70	9.50			1.39	1.39	1.69	1.91		21.3	91785
9.00	0.50	9.50			1.49	1.49	1.81	2.45		22.6	92017
8.05	0.70	8.75			1.58	1.58	1.92	2.12		21.2	92301
9.05	0.65	9.70			1.64	1.64	1.99	2.13		23.0	92450
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
13.80	2.15	15.95			2.08	2.08	2.53			29.9	91299
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
13.80	2.15	15.95			2.08	2.08	2.53			29.9	91300
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
8.10	1.20	9.30			0.89	0.89	1.08	4.41		21.5	91786
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fert. Works, Cincinnati,	**Nashville, Jeffersonville—Con.**
91787	Big Crop Raw Bone	J. W. Schoolcraft, Somerset
92383		R. T. Kirkman, Elkton
		Guaranteed
91789	Big Crop 16% Acid Phosphate	Pulley & Foley, Central City
91790		Henderson & Hardy Co., Shepherdsville
91791		J. W. Schoolcraft, Somerset
92018		Hudson & Farnau, Lancaster
92302		Barren Co. Grocery & Hdw. Co., Glasgow
92303		J. W. Schoolcraft, Somerset
92304		Taylor County Sup. Co., Campbellsville
92386		F. M. Mitchell, Scottsville
		Guaranteed
92305	†Big Crop 20% Superphosphate	Barren Co. Grocery & Hdw. Co., Glasgow
92451		J. C. Everett, Maysville
		Guaranteed
91792	Big Crop 0-12-4 Fertilizer	J. W. Murphy, Liberty
92388		R. E. Wilson, Auburn
		Guaranteed
91307	Big Crop 4-10-4 Fertilizer	Manufacturer
		Guaranteed
91794	†Big Crop Burley Tobacco Grower	Henderson & Hardy Co., Shepherdsville
92020		Hudson & Farnau, Lancaster
		Guaranteed
91795	†Big Crop Plant Bed Special	Durham Implement Co., Danville
92021		John P. Penn Co., Georgetown
		Guaranteed
92023	Big Crop Dark Tobacco Grower	Feltner & Smith, London
		Guaranteed
92024	Big Crop Potato Grower	Knox County Supply Co., Barbourville
		Guaranteed
91796	Big Crop Big Tobacco Maker 3-8-6	R. W. Wilson, Auburn
92025		Frank D. Brooks, Whitesville
		Guaranteed
91313	Big Crop Tobacco Grower 2-8-4	Manufacturer
		Guaranteed
91314	Big Crop High Grade Tobacco Grower 2-10-10	Manufacturer
		Guaranteed
91797	†Big Crop 4-16-4	Henderson & Hardy Co., Shepherdsville
91798		J. W. Schoolcraft, Somerset
92026		T. J. Turley Co., Owensboro
92028		W. H. Brock, Winchester
92306		Taylor County Sup. Co., Campbellsville
92389		Forbes Mfg. Co., Hopkinsville
92452		T. J. Turley Co., Owensboro
92453		Henderson & Hardy Co., Shepherdsville
		Guaranteed
92390	Big Crop 2-16-8	R. E. Wilson, Auburn
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		23.50	100			3.65	4.43			38.1	91787
		23.70	100			3.78	4.59			38.8	92383
		22.00				*3.71*	*4.50*			*36.8*	
16.45	2.65	19.10								19.7	91789
17.05	0.70	17.75								20.5	91790
15.95	0.95	16.90								19.1	91791
16.10	0.70	16.80								19.3	92018
15.50	5.10	20.60								18.6	92302
16.05	0.60	16.65								19.3	92303
16.70	3.40	20.10								20.0	92304
17.55	4.20	21.75								21.1	92386
16.00										*19.2*	
20.05	1.80	21.85								24.1	92305
20.00	0.85	20.85								24.0	92451
20.00										*24.0*	
12.05	0.70	12.75						3.83		23.0	91792
12.65	6.05	18.70						4.01		23.8	92388
12.00								*4.00*		*22.8*	
10.10	2.70	12.80			2.88	3.49	4.24	4.59		35.7	91307
10.00	*1.00*	*11.00*				*3.29*	*4.00*	*4.00*		*33.4*	
8.10	0.60	8.70			1.60	2.35	2.85	0.72	5.30	30.6	91794
8.50	0.60	9.10			1.63	2.34	2.84	0.84	5.10	31.0	92020
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.35	0.55	8.90			2.33	3.22	3.91	0.68	2.28	29.9	91795
8.95	0.55	9.50			2.04	3.07	3.73	0.52	2.48	30.3	92021
8.00	*1.00*	*9.00*				*3.29*	*4.00*		*3.00*	*30.1*	
9.60	0.40	10.00			0.97	1.40	1.70	1.80	2.16	25.6	92023
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
8.60	0.50	9.10			1.67	2.35	2.85	0.68	5.00	30.8	92024
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
11.20	1.20	12.40			2.29	2.29	2.77	5.66		33.2	91796
8.60	3.60	12.20			1.74	2.25	2.73	1.04	4.41	31.2	92025
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.80	3.70	12.50			1.35	1.73	2.10	0.68	4.16	28.7	91313
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
10.35	2.85	13.20			1.38	1.75	2.12	1.04	9.33	38.9	91314
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*10.00*	*37.0*	
15.55	0.50	16.05			3.22	3.22	3.91	4.26		41.5	91797
15.85	0.70	16.55			3.14	3.14	3.81	4.24		41.7	91798
16.00	0.90	16.90			3.05	3.05	3.70	4.42		41.9	92026
15.90	0.65	16.55			3.23	3.23	3.92	4.52		42.5	92028
15.30	2.00	17.30			3.34	3.34	4.07	4.44		42.4	92306
16.40	1.50	17.90			3.21	3.21	3.90	4.27		43.2	92389
16.05	2.20	18.25			3.36	3.36	4.08	4.13		43.4	92452
16.65	1.35	18.00			3.19	3.19	3.87	4.07		43.2	92453
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
16.90	1.10	18.00			1.45	1.45	1.76	8.51		41.8	92390
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*8.00*		*40.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Armour Fert. Works, Cincinnati,	**Nashville, Jeffersonville—Con.**
91318	Big Crop 2-16-2	Manufacturer
		Guaranteed
92029	Big Crop 2-12-6	Chenault & O'Rear, Mt. Sterling
		Guaranteed
92030	Big Crop Farmer's Pride	Jackson Hdw. & Grocery Co., Dixon
		Guaranteed
91799	†Big Crop Old Black Joe	Pulley & Foley, Central City
		Guaranteed
91743	Big Crop 2-8-10 Fertilizer	Manufacturer
		Guaranteed
91746	Big Crop Special Tomato Grower	Manufacturer
		Guaranteed
92391	Big Crop 0-16-8 Fertilizer	R. E. Wilson, Auburn
92392		J. Stotz, Greenville
92455		T. J. Turley Co., Owensboro
		Guaranteed
	The Barrett Co.,	**New York City, N. Y.**
91694	Arcadian Sulfate of Ammonia	Manufacturer
		Guaranteed
	Buhner Fertilizer Co.,	**Seymour, Indiana.**
91806	H. Gr. Tobacco Grower (Muriate)	Van Cleve & Moore, Cave City
92034		H. C. Pickett, Greensburg
		Guaranteed
91616	Ideal Tobacco Grower (Sulfate)	Manufacturer
		Guaranteed
91807	Ideal Tobacco Grower (Muriate)	Van Cleve & Moore, Cave City
92035		H. C. Pickett, Greensburg
		Guaranteed
91808	†Potato and Tobacco Grower	A. P. Thompson, Horse Cave
		Guaranteed
91619	Plant Bed Special	Manufacturer
		Guaranteed
91620	Vegetable Grower	Manufacturer
		Guaranteed
91621	Grain and Grass Grower	Manufacturer
		Guaranteed
91809	Corn and Wheat Special	A. P. Thompson, Horse Cave
92307		Bradshaw & Mann, Lebanon
92308		I. K. Miller & Son, Campbellsville
		Guaranteed
92309	Potash Special	I. K. Miller & Son, Campbellsville
		Guaranteed
91810	Acid Phosphate 16%	Science Hill Flour & Feed Co., Sci. Hill
92310		I. K. Miller & Son, Campbellsville
		Guaranteed
91627	Crop Grower Half Bone	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.90	1.60	18.50			1.87	1.87	2.27	2.56		36.5	91318
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
12.30	0.60	12.90			1.65	1.65	2.00	6.21		32.7	92029
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
9.60	8.20	17.80			1.88	2.33	2.83	1.40	1.76	31.3	92030
10.00	*1.00*	*11.00*				*2.47*	*3.00*		*3.00*	*29.8*	
9.30	8.95	18.25			1.40	1.91	2.32	0.72	3.14	30.7	91799
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
8.30	1.30	9.60			1.84	1.84	2.23	10.32		32.7	91743
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*10.00*		*31.0*	
8.45	3.50	11.95			2.51	2.74	3.33	6.63		33.0	91746
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
16.40	1.40	17.80						8.30		35.1	92391
16.70	1.50	18.20						8.03		34.7	92392
16.60	2.00	18.60						8.32		34.9	92455
16.00								*8.00*		*33.6*	
						20.80	25.26			83.2	91694
						20.75	*25.19*			*83.0*	
8.20	1.35	9.55			1.92	2.44	2.96	5.97		29.8	91806
7.85	1.70	9.55			1.84	2.43	2.95	6.09		29.5	92034
8.00						*2.47*	*3.00*	*6.00*		*29.1*	
10.10	0.90	11.00			0.63	1.13	1.37	0.52	7.75	32.3	91616
8.00						*0.82*	*1.00*		*6.00*	*24.3*	
8.10	1.25	9.35			0.52	1.22	1.48	6.07		24.8	91807
9.20	1.70	10.90			0.38	0.79	0.96	6.60		25.6	92035
8.00						*0.82*	*1.00*	*6.00*		*22.5*	
9.95	1.40	11.35			1.68	2.28	2.77	4.90		30.5	91808
10.00						*2.47*	*3.00*	*4.00*		*29.7*	
11.50	3.00	14.50			2.49	3.39	4.12			32.0	91619
10.00						*3.29*	*4.00*			*28.2*	
11.50	3.00	14.50			2.49	3.39	4.12			32.0	91620
10.00						*3.29*	*4.00*			*28.2*	
11.35	0.95	12.20			1.03	1.61	1.95	6.18		31.3	91621
11.00						*0.82*	*1.00*	*3.00*		*23.4*	
10.35	2.70	13.05			0.64	1.36	1.65	2.36		24.9	91809
12.30	2.20	14.50			0.26	0.88	1.07	1.24		24.3	92307
11.15	1.50	12.65			0.67	1.14	1.38	1.30		23.5	92308
11.00						*0.82*	*1.00*	*1.00*		*21.0*	
10.10	1.00	11.10						3.32	1.22	21.4	92309
10.00								*5.00*		*21.0*	
16.30	0.30	16.60								19.6	91810
16.25	1.20	17.45								19.5	92310
16.00										*19.2*	
10.10	2.10	12.20			1.09	1.56	1.89	2.25		24.9	91627
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Buhner Fertilizer Co.,	**Seymour, Ind.—Con.**
91811	Special Crop Grower Half Bone.....	Van Cleve & Moore, Cave City.....
		Guaranteed .....
92311	Raw Bone	I. K. Miller & Son, Campbellsville.....
		Guaranteed .....
91812	Nitrate of Soda.....	Van Cleve & Moore, Cave City.....
		Guaranteed .....
91631	Sulfate of Ammonia.....	* .....
		Guaranteed .....
91632	Sulfate of Potash.....	* .....
		Guaranteed .....
91813	Phosphate and Lime Mix. (40%)....	J. H. Jasper, W. Somerset.....
91814		Van Cleve & Moore, Cave City.....
		Guaranteed .....
91712	Buhner Potato Special.....	* .....
		Guaranteed .....
	Bunton & Huber Co.,	**Louisville, Ky.**
91602	B. & H. A-1 Potato Grower 3-8-6....	Manufacturer .....
		Guaranteed .....
91603	B. & H. Tobacco and Potato Grower 2-8-2	Manufacturer .....
		Guaranteed .....
91604	B. & H. High Grade Vegetable Grower 4-10-0	Manufacturer .....
		Guaranteed .....
91605	B. & H. Truckers' Special 2-10-4....	Manufacturer .....
		Guaranteed .....
91606	B. & H. Champion Potato Fertilizer 4-10-4	Manufacturer .....
		Guaranteed .....
92468	B. & H. Special Grain Grower.....	Manufacturer's Warehouse .....
		Guaranteed .....
92469	B. & H. Corn and Wheat Special....	Manufacturer's Warehouse .....
		Guaranteed .....
91609	B. & H. Lawn and Garden Fertilizer 5-9-4	Manufacturer .....
		Guaranteed .....
92470	B. & H. 16% Acid Phosphate.....	Manufacturer's Warehouse .....
		Guaranteed .....
91611	B. & H. Bone Meal 1¼-30.....	Manufacturer .....
		Guaranteed .....
91612	B. & H. Raw Bone 4½-22.....	Manufacturer .....
		Guaranteed .....
	Calumet Fertilizer Corp.,	**New Albany, Ind.**
92038	Calumet Brand High Grade Tobacco and Truck Grower.....	Lexington Seed Co., Lexington.....
92039		Patrick Dillon, Hardinsburg.....
92040		L. C. Goering & Sons, Hawesville.....
		Guaranteed .....
91643	Calumet Brand Tobacco Grower....	Manufacturer .....
		Guaranteed .....

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.35	3.75	12.10			0.72	1.44	1.75	7.11		28.3	91811
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*6.00*		*27.4*	
		22.90	69	31		3.75	4.55			37.9	92311
		22.00				*3.71*	*4.50*			*36.8*	
						15.60	18.94			62.4	91812
						15.00	*18.21*			*60.00*	
											91631
						20.80	*25.25*			*83.2*	
											91632
									50.00	*75.0*	
9.30	1.30	10.60								11.2	91813
9.40	1.40	10.80								11.3	91814
10.00										*12.0*	
											91712
8.00						*3.29*	*4.00*	*4.00*		*30.0*	
10.00	6.05	16.05			2.91	2.91	3.53		8.49	39.3	91602
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
11.45	7.90	19.35			2.15	2.15	2.61	4.58		34.4	91603
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
12.85	4.75	17.60			4.35	4.35	5.28			38.6	91604
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
12.85	4.65	17.50			2.68	2.68	3.25	5.44		38.4	91605
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
12.20	2.50	14.70			4.63	4.63	5.62	5.00		43.8	91606
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
15.80	1.50	17.30			1.21	1.83	2.22	2.64		34.8	92468
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
11.70	1.00	12.70			0.48	0.75	0.91	1.23		22.4	92469
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
11.05	2.95	14.00			5.39	5.39	6.54	6.01		46.5	91609
9.00	*2.00*	*11.00*				*4.12*	*5.00*	*4.00*		*35.6*	
17.50	0.80	18.30								21.0	92470
16.00										*19.2*	
		32.80	86	14		0.71	0.86			35.6	91611
		30.00				*1.03*	*1.25*			*34.1*	
		24.75	8	92		4.30	5.22			42.0	91612
		22.00				*3.71*	*4.50*			*36.8*	
12.10	2.40	14.50			1.82	2.28	2.77	4.16		33.2	92038
12.05	2.85	14.90			2.01	2.47	3.00	4.17		34.1	92039
11.55	2.75	14.30			1.72	2.16	2.62	3.70		31.5	92040
10.00	*4.00*	*14.00*				*2.47*	*3.00*	*4.00*		*31.3*	
7.55	2.45	10.00			1.73	2.40	2.91	6.81		30.1	91643
8.00	*4.00*	*12.00*				*2.47*	*3.00*	*6.00*		*30.7*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Calumet Fertilizer Corp.,	**New Albany, Ind.—Con.**
91644	Calumet Brand Two Twelve Six....	Manufacturer
		Guaranteed
91646	Calumet Brand Otto Voyles Two in One	Manufacturer
		Guaranteed
92043	†Calumet Brand Kentucky Tobacco Grower	Lexington Seed Co., Lexington
		Guaranteed
92047	†Calumet Brand Corn and Wheat Special	Barnett Bros., London
		Guaranteed
91651	Calumet Brand Twelve Twelve.....	Manufacturer
		Guaranteed
91652	Calumet Brand Ten Ten Hummer..	Manufacturer
		Guaranteed
92048	Calumet Br'd Acid Phosphate 16%	Patrick Dillon, Hardinsburg
92049		Lexington Seed Co., Lexington
		Guaranteed
91654	Calumet Br'd Acid Phosphate 20%	Manufacturer
		Guaranteed
91655	Calumet Brand Raw Bone Meal.....	*
		Guaranteed
91656	Calumet Brand High Grade Tobacco and Truck Grower	Manufacturer
		Guaranteed
91708	Calumet Brand Sulphate of Ammonia	*
		Guaranteed
	The Cleveland Agri. Chem. Co.,	**New Albany, Ind.**
92264	Cleveland's Quality Bone Black....	*
		Guaranteed
92265	Cleveland's Superior Soil Special..	*
		Guaranteed
92266	Cleveland's All Crop Formula.....	*
		Guaranteed
92267	Cleveland's Corn & Wheat Grower	*
		Guaranteed
92268	Cleveland's Potash Manure.....	*
		Guaranteed
92269	Cleveland's High Grade Phosphate	*
		Guaranteed
	Consolidated Chemical Co.,	**Louisville, Ky.**
91815	Camel Brand Special Corn and Wheat Fertilizer	E. S. Chitwood, Woodmont
92312		W. C. Daffron, Monticello
		Guaranteed
91191	Camel Brand Universal Crop Fertilizer	Manufacturer
		Guaranteed
91192	Camel Brand Bone Phosphate and Tankage	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.20	2.30	14.50			1.32	1.60	1.94	6.58		33.5	91644
12.00	*4.00*	*16.00*				*1.65*	*2.00*	*6.00*		*33.4*	
17.20	2.50	19.70			1.43	1.71	2.08	1.99		36.0	91646
16.00	*4.00*	*20.00*				*1.65*	*2.00*	*2.00*		*34.6*	
8.75	1.75	10.50			1.27	1.60	1.94	8.07		29.9	92043
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*8.00*		*29.8*	
8.45	1.55	10.00			1.33	1.68	2.04	2.51		23.0	92047
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
12.60	3.40	16.00						12.13		33.5	91651
12.00								*12.00*		*32.4*	
11.10	0.30	11.40						6.12	3.81	29.7	91652
10.00								*10.00*		*27.0*	
16.15	1.30	17.45								19.4	92048
16.65	0.30	16.95								20.0	92049
16.00										*19.2*	
21.40	0.20	21.60								25.7	91654
20.00										*24.0*	
											91655
		20.00				*3.71*	*4.50*			*34.8*	
12.65	2.60	15.25			2.03	2.39	2.90	4.08		34.5	91656
12.00	*4.00*	*16.00*				*2.47*	*3.00*	*4.00*		*34.3*	
											91708
						20.60	*25.00*			*82.4*	
											92264
8.00	*8.00*	*16.00*				*1.65*	*2.00*	*2.00*		*24.2*	
											92265
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
											92266
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
											92267
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
											92268
10.00								*5.00*		*21.0*	
											92269
16.00										*19.2*	
10.40	1.80	12.20			0.23	0.88	1.07	1.32		21.4	91815
10.40	0.80	11.20			0.33	1.02	1.24	0.60	0.86	22.0	92312
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.45	2.85	16.30			0.66	1.23	1.49	2.17		28.8	91191
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
11.30	2.85	14.15			0.68	1.25	1.52	2.95		26.6	91192
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co., Louisville, Ky.—Con.	
92050	Camel Brand Vegetable, Potato and Tobacco Special	Pleas Evans, Berea Guaranteed
91194	Camel Brand Harvest King	Manufacturer Guaranteed
91195	Camel Brand Blue Glass Tobacco Grower	Manufacturer Guaranteed
91196	Camel Brand Blue Grass Tobacco Fertilizer	Manufacturer Guaranteed
92051	Camel Brand Beef, Blood and Bone	L. R. Hart, Big Clifty Guaranteed
91198	Camel Brand Old Time Tobacco Fertilizer	Manufacturer Guaranteed
91199	Camel Brand Superior Tobacco Fertilizer	Manufacturer Guaranteed
91200	Camel Brand High Grade Vegetable Grower	Manufacturer Guaranteed
92313	Camel Brand Kentucky Special	W. C. Daffron, Monticello Guaranteed
92052	Camel Brand Tomato Special	Yopp Seed Co., Paducah Guaranteed
91203	Camel Brand Truck and Tobacco Fertilizer	Manufacturer Guaranteed
91204	Camel Brand Three-Eight-Six Potato Grower	Manufacturer Guaranteed
91205	Camel Brand Three-Eight-Six Tobacco Grower	Manufacturer Guaranteed
91206	Camel Brand Three-Eight-Six Tobacco Fertilizer	Manufacturer Guaranteed
91207	Camel Brand Plant Bed Manure	Manufacturer Guaranteed
91208	Camel Brand Ten and Ten Per Cent Potash Fertilizer	Manufacturer Guaranteed
92053	Camel Brand Potash Tobacco Fertilizer	Lonnie Jackson, Caneyville Guaranteed
91210	Camel Brand 20% Phosphate	Manufacturer Guaranteed
91211	Camel Brand Extra High Grade Phosphate	Manufacturer Guaranteed
91816 92054	Camel Brand High Gr. Phosphate	E. S. Chitwood, Woodmont Yopp Seed Co., Paducah Guaranteed
92055	Camel Brand Phosphate and Tobacco (200 lb. stems)	Harvey Stout & Sons, Fern Creek Guaranteed
91216	Camel Brand Steamed Bone Meal	Manufacturer Guaranteed
91638	Camel Brand Four-Sixteen-Four Fertilizer	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.10	0.90	13.00			0.63	1.17	1.42	3.13		27.0	92050
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
9.95	2.55	12.50			0.63	1.21	1.47	4.15		25.8	91194
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
10.00	2.25	12.25			0.84	1.69	2.05	0.56	4.50	30.1	91195
8.00	*2.00*	*10.00*				*1.23*	*1.50*		*4.00*	*23.7*	
9.80	2.30	12.10			0.87	1.67	2.03	5.32		28.7	91196
8.00	*2.00*	*10.00*				*1.23*	*1.50*	*4.00*		*22.5*	
8.70	0.70	9.40			0.86	1.72	2.09	2.67		23.4	92051
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.40	2.10	12.50			1.36	2.23	2.71		3.22	30.2	91198
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*2.00*	*22.4*	
9.35	2.80	12.15			1.32	2.18	2.65	0.60	5.95	33.5	91199
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
11.65	2.55	14.20			1.33	2.20	2.67	5.43		33.8	91200
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
12.80	0.80	13.60			1.12	1.78	2.16	1.72	0.71	29.8	92313
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
12.75	0.70	13.45			1.43	1.85	2.25	5.79		33.8	92052
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
10.00	2.30	12.30			2.20	3.05	3.70	4.25		33.2	91203
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*3.00*		*26.3*	
9.85	2.30	12.15			2.16	3.05	3.70	0.80	6.48	38.4	91204
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
9.90	2.30	12.20			2.32	3.20	3.88	0.96	6.62	39.7	91205
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
9.50	2.30	11.80			2.02	2.89	3.51	8.24		36.6	91206
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
9.80	2.55	12.35			3.54	4.99	6.06			35.7	91207
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
10.80	1.00	11.80						11.40		29.9	91208
10.00								*10.00*		*27.0*	
10.75	1.30	12.05						4.92	0.87	23.3	92053
10.00								*5.00*		*21.0*	
21.00	1.00	22.00								25.2	91210
20.00										*24.0*	
18.70	1.55	20.25								22.4	91211
18.00										*21.6*	
16.85	1.50	18.35								20.2	91816
18.45	1.25	19.70								22.1	92054
16.00										*19.2*	
14.20	3.45	17.65								17.1	92055
14.00										*16.8*	
		27.30	68	32		2.45	2.97			37.1	91216
		24.00				*2.47*	*3.00*			*33.9*	
18.20	1.85	20.05			2.67	3.77	4.58	5.37		49.6	91638
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Consolidated Chemical Co.,	**Louisville, Ky.—Con.**
92262	Camel Brand Steamed Bone Meal..	Manufacturer
		Guaranteed
	Duncan & Sherley,	**La Grange, Ky.**
91817	Tiger Brand Corn & Wheat Grower	Manufacturer's Warehouse
		Guaranteed
91818	Tiger Brand Phosphate & Tankage	Manufacturer's Warehouse
		Guaranteed
	The Empire Guano Co.,	**Nashville, Tenn.**
91822	Red Banner Favorite	Cayce-Yost Co., Hopkinsville
		Guaranteed
91091	Red Banner Special	Manufacturer
		Guaranteed
91092	Wheat, Oat and Corn Grower	Manufacturer
		Guaranteed
91093	Climax Tobacco Grower	Manufacturer
		Guaranteed
91823	Favorite Manure	G. M. Stevenson, Columbia
92314		G. M. Stevenson, Columbia
		Guaranteed
91095	Red Banner Tobacco Grower	Manufacturer
		Guaranteed
91096	Red Banner Standard	Manufacturer
		Guaranteed
91097	High Grade Tobacco Grower	Manufacturer
		Guaranteed
91099	Superior Tobacco Grower	Manufacturer
		Guaranteed
91825	High Grade Potash Mixture	G. M. Stevenson, Columbia
92315		G. M. Stevenson, Columbia
		Guaranteed
91826	Climax Acid Phosphate	G. M. Stevenson, Columbia
92316		G. M. Stevenson, Columbia
		Guaranteed
91102	Premium Acid Phosphate	Manufacturer
		Guaranteed
91827	Red Banner 20% Acid Phosphate..	G. M. Stevenson, Columbia
92317		G. M. Stevenson, Columbia
		Guaranteed
91828	Pure Raw Bone Meal	Cayce-Yost Co., Hopkinsville
		Guaranteed
91105	Bone Meal and Phosphate	Manufacturer
		Guaranteed
91635	Half and Half	Manufacturer
		Guaranteed
	Evansville Fertilizer Co.,	**Evansville, Ind.**
92056	Superb Tobacco Special	Atherton, Kidd Co., Livermore
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		28.30	83	17		1.90	2.31			35.9	92262
		27.00				*1.65*	*2.00*			*33.6*	
10.40	0.60	11.00			0.34	0.93	1.13	0.95		20.7	91817
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
12.75	0.70	13.45			0.35	1.69	2.05			26.2	91818
12.00	*2.00*	*14.00*				*1.65*	*2.00*			*25.4*	
10.15	3.40	13.55			1.56	2.41	2.93	2.89		29.7	91822
10.00	*3.00*	*13.00*				*2.47*	*3.00*	*3.00*		*29.7*	
12.95	5.95	18.80			1.34	1.71	2.08	2.13		31.2	91091
10.00	*3.00*	*13.00*				*1.65*	*2.00*	*2.00*		*25.2*	
13.65	8.85	22.50			0.70	0.91	1.10	1.16		29.1	91092
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
13.60	9.00	22.60			0.70	0.92	1.12	1.16		29.1	91093
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
10.85	5.90	16.75			1.00	1.00	1.21	3.54		26.9	91823
10.30	7.80	18.10			0.69	0.69	0.84	1.76	1.19	25.2	92314
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	
11.20	8.00	19.20			1.06	1.84	2.23	0.80	1.71	30.9	91095
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*2.00*	*23.2*	
11.40	8.35	19.75			1.10	1.79	2.17	2.86		31.0	91096
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
10.95	6.85	17.80			0.95	1.72	2.09	0.92	4.98	34.6	91097
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*4.00*	*26.2*	
10.60	4.50	15.10			1.02	1.76	2.14	1.20	7.24	37.0	91099
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*8.00*	*32.2*	
11.50	6.80	18.30						4.64		22.8	91825
10.25	9.50	19.75						4.06		20.3	92315
10.00								*4.00*		*19.8*	
16.95	3.00	19.95								20.3	91826
16.10	3.45	19.55								19.3	92316
16.00										*19.2*	
20.20	1.70	21.90								24.2	91102
18.00										*21.6*	
20.30	1.90	22.20								24.4	91827
20.80	1.40	22.20								25.0	92317
20.00										*24.0*	
		22.65	42	58		3.74	4.54			37.6	91828
		22.00				*3.71*	*4.50*			*36.8*	
		21.00	67	33		1.73	2.10			27.9	91105
		20.00				*1.85*	*2.25*			*27.4*	
9.70	11.80	21.50				1.96	2.38			27.1	91635
8.00	*12.00*	*20.00*				*1.85*	*2.25*			*24.2*	
10.75	1.50	12.30			1.99	3.10	3.76	3.75		33.6	92056
10.00						*3.29*	*4.00*	*4.00*		*33.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Evansville Fertilizer Co.,	**Evansville, Ind.—Con.**
91719	Superb Dark Patch Special	Manufacturer
		Guaranteed
91720	Superb Farmers' Choice	Manufacturer
		Guaranteed
92059	Superb Best Bet	C. L. Ringo, Blackford
		Guaranteed
92060	Superb Three "B"	Eldred Hardware Co., Princeton
92061		Atherton, Kidd Co., Livermore
92477		Eldred Hardware Co., Princeton
		Guaranteed
91723	Superb Golden Seal	Manufacturer
		Guaranteed
91724	Superb Special	Manufacturer
		Guaranteed
92063	Superb 20% Acid Phosphate	Eldred Hardware Co., Princeton
		Guaranteed
92064	Superb 16% Acid Phosphate	Eldred Hardware Co., Princeton
92318		W. D. Dickinson, Glasgow
92393		Cadiz Hardware Co., Cadiz
		Guaranteed
	Falls City Fertilizer Co.,	**New Albany, Ind.**
92065	Falls City High Grade Tobacco and Truck Grower	H. O. Hanbrough, Shelbyville
		Guaranteed
91659	Falls City Two Twelve Six	*
		Guaranteed
92067	Falls City Two Twelve Two	H. O. Hanbrough, Shelbyville
		Guaranteed
91661	Falls City Two in One	*
		Guaranteed
91662	Falls City Ky. Tobacco Grower	*
		Guaranteed
91663	Falls City Potato and Tob. Special	*
		Guaranteed
91664	Falls City Corn and Wheat Special	*
		Guaranteed
91665	Falls City Onion and Tob. Grower	*
		Guaranteed
91666	Falls City Twelve Twelve	*
		Guaranteed
91667	Falls City Ten Ten Hummer	*
		Guaranteed
92068	Falls City Acid Phosphate 16%	H. O. Hanbrough, Shelbyville
		Guaranteed
91669	Falls City Acid Phosphate 20%	*
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.25	0.75	12.00			3.81	3.81	4.63	4.04		37.3	91719
10.00						*2.47*	*3.00*	*3.00*		*28.5*	
14.20	0.85	15.05			2.51	2.51	3.05	2.98		35.3	91720
12.00						*1.65*	*2.00*	*2.00*		*27.0*	
8.60	3.00	11.60			0.49	1.67	2.03	4.84		26.6	92059
8.00						*1.65*	*2.00*	*5.00*		*24.6*	
8.00	5.40	13.40			0.75	1.64	1.99	2.24		23.4	92060
8.20	3.80	12.00			0.70	1.67	2.03	2.31		23.3	92061
9.00	4.70	13.70			0.96	1.68	2.04	3.29		26.1	92477
8.00						*1.65*	*2.00*	*2.00*		*21.0*	
8.30	4.35	12.65			0.26	0.80	0.97	3.27		21.3	91723
8.00						*0.82*	*1.00*	*3.00*		*18.9*	
13.50	1.00	14.50						6.42		28.0	91724
10.00								*4.00*		*19.8*	
20.20	1.45	21.65								24.2	92063
20.00										*24.0*	
16.00	3.10	19.10								19.2	92064
15.85	3.00	18.85								19.0	92318
16.85	2.65	19.50								20.2	92393
16.00										*19.2*	
11.95	2.60	14.55			1.89	2.40	2.91	3.90		33.3	92065
12.00	*4.00*	*16.00*				*2.47*	*3.00*	*4.00*		*34.3*	
											91659
12.00	*4.00*	*16.00*				*1.65*	*2.00*	*6.00*		*33.4*	
12.10	2.40	14.50			1.27	1.65	2.00	2.09		28.2	92067
12.00	*4.00*	*16.00*				*1.65*	*2.00*	*2.00*		*28.6*	
											91661
16.00	*4.00*	*20 00*				*1.65*	*2.00*	*2.00*		*34.6*	
											91662
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*8.00*		*29.8*	
											91663
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*5.00*		*26.2*	
											91664
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
											91665
8.00	*4.00*	*12.00*				*0.82*	*1.00*	*3.00*		*20.5*	
											91666
12.00								*12 00*		*32.4*	
											91667
10.00								*10.00*		*27.0*	
16.20	1.00	17.20								19.4	92068
16.00										*19.2*	
											91669
20.00										*24.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Falls City Fertilizer Co.,	**New Albany, Ind.—Con.**
91670	Falls City Raw Bone Meal	*
		Guaranteed
	Federal Chemical Co., Inc.,	**Louisville, Ky.**
92069	Ammoniated Potash Ten	Guenther Hdw. Co., Owensboro
92070		William Nantz, Maceo
		Guaranteed
92071	Standard Corn and Wheat Grower	W. O. Cropper, Burtonville
		Guaranteed
92072	Special Tobacco Maker	Owen Hulett, Williamstown
92073		Boone County Farm Bureau, Florence
92074		M. E. Watson & Co., Elkton
		Guaranteed
91829	Beef, Blood and Bone	W. C. West, La Grange
		Guaranteed
91830	Loam Land Fertilizer	D. V. Popplewell, W. Somerset
92075		A. V. Barnett, Bagdad
		Guaranteed
91831	†Mid-West High Grade Mixture	I. H. Hummer & Co., Scottsville
92076		J. A. Shaver, Greenville
92456		Vine Grove Feed Co., Vine Grove
		Guaranteed
92078	2-8-5 Tobacco Fertilizer	S. A. Browning, Vanceburg
92079		M. E. Watson & Co., Elkton
92080		A. V. Barnett, Bagdad
92081		A. B. Beale & Co., Murray
		Guaranteed
91832	†Special Mixture Potato and Tobacco Grower	I. H. Hummer & Co., Scottsville
		Guaranteed
91834	†Ky. Tobacco and Potato Grower	T. H. O'Bryan, Dawson Springs
92082		A. V. Barnett, Bagdad
		Guaranteed
92084	3-8-10 Spl. Mix. Tobacco Grower	Trent & Micham, Irvington
		Guaranteed
91238	Spl. Mix. H. Gr. Tobacco Grower	Manufacturer
		Guaranteed
92085	†Plant Bed Special	W. C. Bonta, Pleasureville
		Guaranteed
91835	Spl. Tobacco and Potato Grower	Clem Keltner, Campbellsville
91836		Planters Hardware Co., Hopkinsville
92088		A. V. Barnett, Bagdad
		Guaranteed
91242	High Grade Tobacco Grower	Manufacturer
		Guaranteed
91243	Potash Mixture	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		20.00				*3.71*	*4.50*			*34.8*	91670
7.70	3.40	11.10			0.46	0.96	1.17	10.09		28.4	92069
7.80	3.40	11.20			0.48	1.03	1.25	9.70		28.8	92070
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*10.00*		*28.1*	
8.00	1.50	9.50			1.44	2.27	2.76	3.05		25.3	92071
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.25	1.05	11.30			1.12	1.78	2.16	2.13		25.5	92072
10.60	1.65	12.25			1.38	1.88	2.28	1.75		26.2	92073
10.00	2.85	12.85			1.09	1.79	2.17	2.09		25.8	92074
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
10.00	1.40	11.40			1.10	1.75	2.12	2.08		25.1	91829
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.20	1.40	13.60			1.12	1.83	2.22	1.93		28.5	91830
12.45	1.40	13.85			1.02	1.70	2.06	1.80		28.2	92075
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
10.60	2.40	13.00			0.56	1.64	1.99	3.87		28.1	91831
10.05	1.30	11.35			1.10	1.82	2.84	0.71		27.4	92076
9.25	1.90	11.15			1.11	1.73	2.10	4.23		26.6	92456
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
7.50	1.50	9.00			1.12	1.80	2.19	5.63		25.8	92078
8.45	2.70	11.15			1.09	1.81	2.20	4.94		26.9	92079
7.85	1.15	9.00			1.10	1.81	2.20	5.01		25.5	92080
8.60	3.30	11.90			0.65	1.68	2.04	4.92		26.8	92081
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
9.05	2.70	11.75			1.00	1.77	2.15	7.42		30.6	91832
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*7.50*		*28.4*	
7.65	1.70	9.35			1.87	2.73	3.31	5.69		29.9	91834
8.10	1.10	9.20			1.76	2.63	3.19	5.75		30.0	92082
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
7.90	1.30	9.20			1.94	2.40	2.91	9.72		33.6	92084
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*10.00*		*34.7*	
10.15	4.80	14.95			4.50	4.50	5.46	6.75		43.3	91238
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*4.00*		*30.8*	
9.80	1.20	11.00			1.77	2.69	3.27	0.84	2.28	30.4	92085
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
7.80	1.25	9.05			1.61	2.58	3.13	0.68	5.17	31.1	91835
10.00	1.20	11.20			1.47	2.65	3.22	2.16	3.35	33.7	91836
7.95	1.45	9.40			1.48	2.19	2.66	1.28	5.61	31.2	92088
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
10.00	4.25	14.25			4.04	4.24	5.15		7.53	45.0	91242
8.00	*2.00*	*10.00*				*3.29*	*4.00*		*4.00*	*32.0*	
11.20	8.90	20.10						6.52		24.6	91243
10.00								*4.00*		*19.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc., Louisville, Ky.—Con.	
91837	†20% Phosphate	Clem Keltner, Campbellsville
92089		L. R. Hart, Big Clifty
92090		Grayson County Supply Co., Leitchfield
92319		Clem Keltner, Campbellsville
92457		Grayson County Supply Co., Leitchfield
		Guaranteed
91245	Pure Bone	Manufacturer
		Guaranteed
91838	†Ky. Wheat and Corn Special	A. W. Tarter, Columbia
92091		Lander Hardware Co., Elizabethtown
92092		W. O. Pointer, R. No. 1, Wallingford
		Guaranteed
92394	Royal Wheat and Grain Special	Grayson County Supply Co., Leitchfield
		Guaranteed
91839	Spl. Mixture Plant Bed Special	Henderson & Hardy Co., Shepherdsville
92093		Lake Bros., Springfield
92094		J. C. Everett & Co., Maysville
		Guaranteed
91840	Lime Bone Phosphate	W. C. West, La Grange
		Guaranteed
91735	Official Formula 2-12-6	Manufacturer
		Guaranteed
91064	Tip Top Potato Grower	Geo. C. Frey, Lexington
		Guaranteed
91742	Spl. Mix. Tip Top Potato Grower	Manufacturer
		Guaranteed
92279	Half and Half Meal Mixture	Manufacturer
		Guaranteed
91248	Daybreak Special Manure	Manufacturer
		Guaranteed
91841	Standard Crop & Tobacco Grower	Tom Wilson, Roseburg
		Guaranteed
92099	Daybreak Tobacco Grower	W. O. Pointer, Wallingford
92100		J. A. Shaver, Greenville
92458		J. W. Hardyman, Mt. Carmel
		Guaranteed
91252	Daybreak Potash Mixture	Manufacturer
		Guaranteed
91845	Daybreak 16% Phosphate	Tom Wilson, Roseburg
92101		W. O. Pointer, Wallingford
92102		Lake Bros., Springfield
92323		McKinnley Bros., Russell Springs
92395		Grayson County Supply Co., Leitchfield
		Guaranteed
91254	Daybreak Raw Bone	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
20.50	0.85	21.35								24.6	91837
21.05	0.75	21.80								25.3	92089
20.75	0.75	21.50								24.9	92090
20.50	0.90	21.40								24.6	92319
20.40	1.30	21.70								24.5	92457
20.00										*24.0*	
		31.00	87	13		1.32	1.60			36.3	91245
		30.00				*1.03*	*1.25*			*34.1*	
10.10	3.85	13.95			0.41	1.04	1.26	1.36		22.5	91838
9.70	1.70	11.40			0.60	1.13	1.37	1.61		21.7	92091
9.30	1.40	10.70			0.50	0.99	1.20	1.22		19.9	92092
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
11.85	1.05	12.90			0.51	0.97	1.18	1.20		23.5	92394
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
10.45	1.30	11.75			1.68	2.54	3.08	3.59		30.7	91839
10.05	1.15	11.20			1.70	2.63	3.19	3.02		29.7	92093
10.15	1.25	11.40			1.71	2.57	3.12	3.03		29.7	92094
10.00	*2.00*	*12.00*				*2.47*	*3.00*	*3.00*		*29.3*	
17.85	3.40	21.25								21.4	91840
16.00										*19.2*	
14.50	2.40	16.90			1.97	1.97	2.39	7.18		39.2	91735
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
10.15	0.85	11.00			2.79	3.19	3.87	0.58	3.71	34.6	91064
10.00	*2.00*	*12.00*				*3.29*	*4.00*		*4.00*	*35.0*	
11.40	2.80	14.20			4.83	4.83	5.86	5.75		44.4	91742
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
12.65	8.35	21.00			2.49	2.49	3.02			32.3	92279
10.00	*10.00*	*20.00*				*1.65*	*2.00*			*25.6*	
12.50	7.10	19.60			1.40	1.40	1.70	3.79		31.7	91248
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
8.55	4.00	12.55			0.34	0.88	1.07	3.67		22.4	91841
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.35	1.50	9.85			1.11	1.76	2.14	1.74		22.3	92099
7.60	1.30	8.90			0.97	1.59	1.93	2.27		21.0	92100
8.80	1.25	10.05			0.90	1.38	1.68	2.04		21.7	92458
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.70	9.50	20.20						6.28		23.6	91252
10.00								*4.00*		*19.8*	
16.70	2.60	19.30								20.0	91845
17.70	1.00	18.70								21.2	92101
16.80	1.10	17.90								20.2	92102
16.00	1.80	17.80								19.2	92323
17.35	1.15	18.50								20.8	92395
16.00										*19.2*	
		19.45	57	43		4.18	5.07			36.2	91254
		20.00				*3.29*	*4.00*			*33.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Con.**
92095	†Ky. Corn, Wheat & Oats Grower....	Farm Bureau Supply Co., Elizabethtown
92096		W. O. Cropper, Burtonville
		Guaranteed
91256	1st Prize Wheat and Grain Special	Manufacturer
		Guaranteed
91257	Blue Ribbon Corn, Wheat and Tobacco Grower	Manufacturer
		Guaranteed
91258	1st Prize Formula	Manufacturer
		Guaranteed
92097	1st Prize Crop & Tobacco Grower..	W. O. Pointer, Wallingford
92103		W. O. Cropper, Burtonville
		Guaranteed
92104	1st Prize 16% Phosphate	E. B. Hunt, Marion
92105		J. W. Hardyman, Mt. Carmel
92106		Farm Bureau Supply Co., Elizabethtown
92459		J. W. Hardyman, Mt. Carmel
		Guaranteed
91261	1st Prize Raw Bone	Manufacturer
		Guaranteed
	Ford Motor Co.,	**Detroit, Mich.**
92108	Ford Ammonium Sulfate	Irvington Hdw. & Impl. Co., Irvington..
92324		E. S. Ferrill & Sons, Buffalo
		Guaranteed
	Fox Chem. Co., Br. Federal Chem.	**Co., Inc., Louisville, Ky.**
92325	Fox Blood, Bone & Potash Special	Clem Keltner, Campbellsville
92460		Vine Grove Feed Co., Vine Grove
		Guaranteed
91263	Fox Wheat and Grain Special	Manufacturer
		Guaranteed
91264	Early Harvest Corn, Wheat and Tobacco Grower	Manufacturer
		Guaranteed
91266	Fox Crop and Tobacco Grower	Manufacturer
		Guaranteed
91267	Fox Wheat and Corn Manure	Manufacturer
		Guaranteed
91268	Fox Tobacco Grower	Manufacturer
		Guaranteed
91269	Fox Special Tobacco Grower	Manufacturer
		Guaranteed
91846	Fox Potash Mixture	Lessenberry and Wilson, Glasgow
92396		E. P. Smith, Adairville
		Guaranteed
91847	Fox 16% Phosphate	A. R. Blakey, Esto
91848		Lessenberry and Wilson, Glasgow
92109		W. A. Sparks Feed Co., London
92327		Clem Keltner, Campbellsville
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.45	1.05	11.50			0.43	0.84	1.02	1.05		20.7	92095
9.75	1.30	11.05			0.62	1.15	1.40	1.13		21.1	92096
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.75	5.95	19.70			1.35	1.35	1.64	2.08		30.9	91256
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.50	7.10	19.60			1.40	1.40	1.70	3.79		31.7	91257
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
13.20	6.30	19.50			1.35	1.35	1.64	3.66		32.1	91258
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
7.45	1.35	8.80			0.48	0.91	1.10	4.75		21.1	92097
7.95	1.40	9.35			0.47	0.90	1.09	4.02		20.9	92103
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
16.40	3.30	19.70								19.7	92104
16.10	1.20	17.30								19.3	92105
16.70	0.90	17.60								20.0	92106
16.65	1.50	18.15								20.0	92459
16.00										*19.2*	
		19.45	57	43		4.18	5.07			36.2	91261
		20.00				*3.29*	*4.00*			*33.2*	
						20.52	24.92			82.1	92108
						20.80	25.26			83.2	92324
						20.84	*25.30*			*83.4*	
10.95	1.15	12.10			0.43	0.88	1.07	1.24		21.9	92325
9.50	1.95	11.45			0.34	0.92	1.12	1.31		20.3	92460
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.75	5.95	19.70			1.35	1.35	1.64	2.08		30.9	91263
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.50	7.10	19.60			1.40	1.40	1.70	3.79		31.7	91264
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
9.65	10.35	20.00			1.21	1.21	1.47	5.35		29.9	91266
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
9.85	10.00	19.85			2.13	2.13	2.59	3.48		31.5	91267
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.85	10.00	19.85			2.13	2.13	2.59	3.48		31.5	91268
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.50	10.10	19.60			1.74	1.74	2.11	7.14		33.8	91269
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26 9*	
9.75	4.50	14.25						6.11		22.0	91846
11.00	4.60	15.60						3.96		21.3	92396
10.00								*4.00*		*19.8*	
15.65	3.40	19.05								18.8	91847
17.45	2.65	20.10								20.9	91848
15.60	1.95	17.55								18.7	92109
15.90	1.70	17.60								19.1	92327
16.00										*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Fox Chemical Co.,	**Louisville, Ky.—Con.**
91272	Fox Raw Bone	Manufacturer
		Guaranteed
	Globe Fert. Co., Br. Federal Chem.	**Co., Inc., Louisville, Ky.**
91849	Globe Blood, Bone and Potash Special	E. L. Pearison, Auburn
91850		I. K. Miller & Son, Campbellsville
92110		Smathers and Co., Stanton
92111		T. J. Whittinghill, Fordsville
		Guaranteed
91274	Globe Wheat and Grain Special	Manufacturer
		Guaranteed
91852	†Progress Corn, Wheat and Tobacco Grower	Scottsville Feed Co., Scottsville
		Guaranteed
92397	Braden Formula	Planters Hardware Co., Hopkinsville
92461		Vine Grove Feed Co., Vine Grove
		Guaranteed
91853	Universal Crop and Tobacco Grower	The Big Four Co., Franklin
92112		H. F. Owen, Mayfield
92398		Big Four Co., Franklin
		Guaranteed
91854	Eagle Wheat and Corn Grower	Hiseville Milling Co., Hiseville
		Guaranteed
91855	Big 4 Tobacco Grower	E. L. Pearison, Auburn
91856		A. L. Harmon and Son, Junction City
		Guaranteed
92114	Globe Special Tobacco Grower	Thompson Fert. Co., Mt. Sterling
		Guaranteed
91859	Globe Potash Mixture	The Big Four Co., Franklin
92115		Williamsburg Hdw. Co., Williamsburg
92399		Planters Hardware Co., Hopkinsville
		Guaranteed
91860	Globe 16% Phosphate	I. K. Miller & Son, Campbellsville
91861		Planters Hardware Co., Hopkinsville
92116		A. V. Barnett, Bagdad
92328		W. H. Lyon, Loretto
92400		Big Four Co., Franklin
		Guaranteed
92118	Globe Half and Half Meal Mixture	W. H. Lyon, Loretto
92329		W. H. Lyon, Loretto
92401		Planters Hardware Co., Hopkinsville
		Guaranteed
	The Grasselli Chemical Co.,	**Cleveland, O.**
91731	Grasselli Odorless Plant Food	Manufacturer
		Guaranteed
	Hall Seed Co., Louisville, Ky.	
91423	Halco Tobacco Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		19.45	57	43		4.18	5.07			36.2	91272
		20.00				*3.29*	*4.00*			*33.2*	
9.75	4.15	13.90			1.02	1.70	2.06	1.67		25.1	91849
10.05	1.35	11.40			0.46	0.94	1.14	0.92		20.5	91850
10.10	1.90	12.00			0.47	1.13	1.37	1.73		22.5	92110
9.90	1.30	11.20			0.56	1.13	1.37	1.28		21.4	92111
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.75	5.95	19.70			1.35	1.35	1.64	2.08		30.9	91274
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
10.20	3.50	13.70			0.43	1.20	1.46	2.54		24.6	91852
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
12.90	3.10	16.00			0.46	0.85	1.03	3.01		27.6	92397
10.75	1.95	12.70			0.42	0.92	1.12	3.08		24.3	92461
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
9.85	3.15	13.00			0.75	1.45	1.76	3.36		25.9	91853
8.05	4.80	12.85			0.43	1.13	1.37	4.26		23.6	92112
10.45	4.30	14.75			0.49	0.90	1.09	4.64		26.6	92398
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.20	4.40	12.60			0.68	1.23	1.49	3.63		23.3	91854
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.40	2.60	13.00			1.46	2.27	2.76	3.24		29.6	91855
8.20	0.80	9.00			1.10	1.75	2.12	1.63		21.6	91856
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.75	1.60	12.35			1.72	2.46	2.99	1.08	8.23	40.3	92114
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
10.65	2.35	13.00						3.77		20.5	91859
10.35	1.05	11.40						4.07		20.4	92115
11.05	5.15	16.20						3.70		21.0	92399
10.00								*4.00*		*19.8*	
15.90	1.20	17.10								19.1	91860
17.20	2.20	19.40								20.6	91861
16.90	0.80	17.70								20.3	92116
16.05	2.80	18.85								19.3	92328
17.70	2.50	20.20								21.2	92400
16.00										*19.2*	
10.95	11.35	22.30			1.33	1.88	2.28			28.5	92118
10.00	10.30	20.30			0.71	1.57	1.91			25.4	92329
10.00	9.20	19.20			0.70	1.56	1.89			24.9	92401
10.00	*10.00*	*20.00*				*1.65*	*2.00*			*25.6*	
14.55	2.05	16.60			4.12	4.12	5.00	4.11		44.1	91731
13.00	*2.00*	*15.00*				*4.12*	*5.00*	*4.00*		*41.6*	
11.20	2.50	13.70			0.89	1.16	1.41		2.40	26.0	91423
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*2.00*		*21.1*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hall Seed Co.,	**Louisville, Ky.—Con.**
92471	Halco 16% Acid Phosphate	Manufacturer's Warehouse
		Guaranteed
91425	Halco 20% Superphosphate	Manufacturer
		Guaranteed
92472	Halco Corn and Wheat Grower	Manufacturer's Warehouse
		Guaranteed
91427	Halco Potato Grower	Manufacturer
		Guaranteed
91428	Halco Vegetable Grower	Manufacturer
		Guaranteed
91429	Halco Potato and Tobacco Grower	Manufacturer
		Guaranteed
91431	Halco Raw Bone	Manufacturer
		Guaranteed
91432	Halco High Grade Vegetable Grower	Manufacturer
		Guaranteed
91433	Halco 2-16-2 Fertilizer	Manufacturer
		Guaranteed
91434	Halco 4-16-4 Fertilizer	Manufacturer
		Guaranteed
	Hopkins Fertilizer Co., New	**Albany, Ind.**
91862	Hopkins Old Time Wheat and Corn Grower	Emmet Shearer, Monticello
92119		R. M. Cannon, Leitchfield
92330		Emmet Shearer, Monticello
		Guaranteed
92120	Hopkins Old Time Red Banner Special	Len Webb, Hawesville
92121		R. M. Cannon, Leitchfield
92331		Farm Bureau Supply Co., Elizabethtown
		Guaranteed
91673	Hopkins Old Time Kentucky Special	Manufacturer
		Guaranteed
91863	Hopkins Old Time Kentucky Winner	Duncan and Sherley, LaGrange
92122		Lancaster Milling Co., Lancaster
		Guaranteed
92332	Hopkins Old Time Royal Grain Grower	Emmet Shearer, Monticello
92462		J. F. Collings, Shepherdsville
		Guaranteed
91864	Hopkins Old Time Superior	Coffee and Van Hook, Moreland
92123		R. M. Cannon, Leitchfield
		Guaranteed
91865	†Hopkins Old Time Potato Grower	R. P. James, Somerset
		Guaranteed
91866	†Hopkins Old Time Burley Grower	J. F. Collings, Shepherdsville
92125		R. M. Cannon, Leitchfield
92126		Lancaster Milling Co., Lancaster
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
16.80	0.35	17.15								20.2	92471
16.00										*19.2*	
21.70	0.30	22.00								26.0	91425
20.00										*24.0*	
10.15	0.60	10.75			0.82	0.82	1.00	1.11		20.1	92472
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*1.00*		*19.9*	
14.15	2.20	16.35			2.10	2.10	2.55			30.5	91427
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
11.20	5.30	16.50			3.70	3.91	4.75			34.6	91428
10.00	*1.00*	*11.00*				*3.29*	*4.00*			*28.6*	
8.60	2.10	10.70			1.62	2.03	2.46	1.00	2.36	26.6	91429
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*3.00*		*22.6*	
		24.80	100			3.86	4.69			40.2	91431
		22.00				*3.71*	*4.50*			*36.8*	
9.50	3.40	12.90			2.03	2.40	2.91	0.76	6.48	35.8	91432
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
17.20	1.70	18.90			1.86	1.86	2.26	2.46		36.9	91433
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
16.40	1.10	17.50			3.40	3.40	4.13	4.21		43.7	91434
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
10.95	0.45	11.40			0.28	0.92	1.12	1.95		22.6	91862
11.20	1.05	12.25			0.34	1.11	1.35	1.76	1.01	25.3	92119
11.10	0.50	11.60			0.24	0.86	1.04	0.84	1.16	23.0	92330
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
8.00	0.50	8.50			0.29	0.97	1.18	2.68	0.45	20.0	92120
8.70	0.55	9.25			0.27	1.01	1.23	1.76	1.47	21.6	92121
9.20	0.30	9.50			0.89	0.89	1.08	1.00	2.01	21.7	92331
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
14.60	0.80	15.40			0.42	0.89	1.08	1.08	0.94	28.5	91673
14.00	*2.00*	*16.00*				*0.82*	*1.00*	*2.00*		*27.5*	
8.40	0.90	9.30			1.69	3.15	3.82	4.10		30.5	91863
8.25	0.70	8.95			2.00	3.56	4.32	5.20		33.1	92122
8.00	*2.00*	*10.00*				*3.29*	*4.00*	*4.00*		*30.8*	
10.75	0.55	11.30			0.28	1.41	1.71	1.20	1.82	26.2	92332
11.40	1.00	12.40			0.47	1.25	1.52	1.20	1.59	26.3	92462
10.00	*2.00*	*12.00*				*1.23*	*1.50*	*3.00*		*24.3*	
10.85	0.65	11.50			0.32	1.66	2.02	3.66		27.6	91864
10.15	0.95	11.10			0.43	1.93	2.34	4.83		29.1	92123
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
7.85	0.40	8.25			1.01	2.53	3.07	6.36	0.99	31.2	91865
7.00	*1.00*	*8.00*				*2.47*	*3.00*	*7.00*		*29.2*	
8.45	0.50	8.95			1.00	2.47	3.00	5.40	1.49	31.5	91866
8.65	0.85	9.50			1.29	2.43	2.95	6.80		31.2	92125
8.35	0.95	9.30			1.00	2.47	3.00	4.88	1.33	30.7	92126
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Hopkins Fertilizer Co.,	**New Albany, Ind.—Con.**
91680	Hopkins Old Time Ten Ten	Manufacturer
		Guaranteed
92333	Hopkins Old Time Half and Half	Farm Bureau Supply Co., Elizabethtown
		Guaranteed
91868	Hopkins Old Time Climax Acid Phosphate	Emmet Shearer, Monticello
91869		J. F. Collins, Shepherdsville
92129		Irvine Feed and Grain Co., Irvine
92130		W. C. Richards, Fordsville
92131		G. H. Harris, Cloverport
92334		Farm Bureau Supply Co., Elizabethtown
		Guaranteed
	International Agricultural Corp.,	**Inc., Cincinnati, O.**
91397	I. A. C. Truck and Potato Special	*
		Guaranteed
91398	I. A. C. Tobacco and Potato Grower	*
		Guaranteed
91399	I. A. C. High Grade Tobacco Special	*
		Guaranteed
91400	I. A. C. Crop Grower	*
		Guaranteed
92132	I. A. C. Grain Grower	J. W. Hardyman, Mt. Carmel
		Guaranteed
92133	I. A. C. Standard Fertilizer	J. W. Bratcher, Berea
92134		J. W. Hardyman, Mt. Carmel
		Guaranteed
92135	I. A. C. Ten Five	V. B. Nuckols, Elkton
		Guaranteed
91870	I. A. C. 20% Acid Phosphate	Geo. Richardson, Somerset
92136		Woodson Lewis and Son, Greensburg
92336		Woodson Lewis and Son, Greensburg
		Guaranteed
91871	I. A. C. 16% Acid Phosphate	Geo. Richardson, Somerset
91872		W. D. Dickinson, Glasgow
92137		J. W. Hardyman, Mt. Carmel
92337		Woodson Lewis and Son, Greensburg
		Guaranteed
91406	Multiple Strength	*
		Guaranteed
91407	Multiple Strength	*
		Guaranteed
91408	Multiple Strength	*
		Guaranteed
91409	Multiple Strength	*
		Guaranteed
92138	Multiple Strength	V. B. Nuckols, Elkton
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.00	0.80	10.80						8.48	1.12	26.9	91680
10.00								*10.00*		*27.0*	
8.55	4.75	13.30			1.03	1.75	2.12	1.44	1.69	26.0	92333
6.00	*6.00*	*12.00*				*1.65*	*2.00*	*3.00*		*21.6*	
16.70	0.25	16.95								20.0	91868
16.25	0.65	16.90								19.5	91869
17.25	0.65	17.90								20.7	92129
16.75	0.95	17.70								20.1	92130
17.40	0.50	17.90								20.9	92131
16.45	0.75	17.20								19.7	92334
16.00										*19.2*	
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*10.00*		*31.0*	91397
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	91398
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*4.00*	*28.0*	91399
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	91400
10.00	0.90	10.90			0.57	0.81	0.98	3.14		22.4	92132
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*3.00*		*22.3*	
8.30	0.75	9.05			1.18	1.53	1.86	2.96		22.4	92133
7.75	0.70	8.45			1.20	1.54	1.87	2.72		21.3	92134
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
9.70	1.50	11.20						5.88		21.6	92135
10.00								*5.00*		*21.0*	
20.05	0.20	20.25								24.1	91870
20.90	0.40	21.30								25.1	92136
20.75	1.30	22.05								24.9	92336
20.00										*24.0*	
16.15	1.90	18.05								19.4	91871
16.05	2.15	18.20								19.3	91872
15.25	1.95	17.20								18.3	92137
16.25	1.80	18.05								19.5	92337
16.00										*19.2*	
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*12.00*		*64.0*	91406
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*20.00*		*61.6*	91407
24.00	*1.00*	*25.00*				*3.29*	*4.00*	*4.00*		*54.4*	91408
20.00								*20.00*		*54.0*	91409
24.00	1.80	25.80						13.21		51.9	92138
24.00								*12.00*		*50.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	International Agricultural Corp.,	**Inc., Cincinnati, O.—Con.**
91729	I. A. C. Quality Producer Dark Tobacco Fertilizer	*
		Guaranteed
91730	I. A. C. Quality Burley Tobacco Producer	*
		Guaranteed
92273	International 4-10-7 Strawberry Fertilizer	*
		Guaranteed
91411	Buffalo Truck and Potato Special	*
		Guaranteed
91413	Buffalo High Grade Tobacco Special	*
		Guaranteed
91414	Buffalo Crop Grower	*
		Guaranteed
91415	Buffalo Grain Grower	*
		Guaranteed
92140	Buffalo Standard Fertilizer	London Hardware Co., London
		Guaranteed
91417	Buffalo Ten Five	*
		Guaranteed
91418	Buffalo 20% Acid Phosphate	*
		Guaranteed
91873	Buffalo 16% Acid Phosphate	F. M. Mitchell, Scottsville
92141		London Hardware Co., London
		Guaranteed
91420	Buffalo Bone Meal	*
		Guaranteed
91421	Muriate of Potash	*
		Guaranteed
91422	Nitrate of Soda	*
		Guaranteed
92282	Buffalo Steamed Bone Meal	*
		Guaranteed
	The Jarecki Chemical Co., (Armour	**owned) Cincinnati, O., Nashville, Tenn., Jeffersonville, Ind.**
92142	Jarecki Burley Tobacco Grower	Farmers Union Supply Co., Versailles
92143		A. V. Barnett, Bagdad
		Guaranteed
91377	Jarecki Plant Bed Special	Manufacturer
		Guaranteed
91378	Jarecki Dark Tobacco Grower	Manufacturer
		Guaranteed
91379	Jarecki Potato Grower	Manufacturer
		Guaranteed
91380	Jarecki 4-16-4 Fertilizer	Manufacturer
		Guaranteed
91381	Jarecki 2-16-8 Fertilizer	Manufacturer
		Guaranteed

*The manufacturer failed to furnish sample as required by law.

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
											91729
11.00	*1.00*	*12.00*				*3.29*	*4.00*	*5.00*		*36.1*	
											91730
10.00	*1.00*	*11.00*				*3.29*	*4.00*		*6.00*	*37.6*	
											92273
10.00	*1.00*	*11.00*				*3.29*	*4.00*		*7.00*	*39.1*	
											91411
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*10.00*		*31.0*	
											91413
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*4.00*	*28.0*	
											91414
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
											91415
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*3.00*		*22.3*	
8.40	0.80	9.20			1.25	1.62	1.97	2.36		22.2	92140
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
											91417
10.00								*5.00*		*21.0*	
											91418
20.00										*24.0*	
16.70	1.70	18.40								20.0	91873
16.20	1.60	17.80								19.4	92141
16.00										*19.2*	
											91420
		29.00			*1.85*	*2.25*				*36.4*	
											91421
								50.00		*60.0*	
											91422
						4.83	*18.00*			*59.3*	
											92282
		29.00				*1.03*	*1.25*			*33.1*	
8.50	0.50	9.00			1.63	2.48	3.01	0.72	5.13	31.4	92142
8.00	0.50	8.50			1.65	2.41	2.93	0.68	5.65	31.1	92143
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.00	3.05	11.05			2.70	3.53	4.29		3.40	32.4	91377
8.00	*1.00*	*9.00*				*3.29*	*4.00*		*3.00*	*30.1*	
7.80	10.60	18.40			1.52	1.85	2.25		4.06	28.2	91378
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
9.35	3.25	12.60			1.91	2.41	2.93	0.80	6.63	35.9	91379
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
16.70	0.75	17.45			3.22	3.22	3.91	4.60		43.8	91380
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
17.00	0.80	17.80			1.90	1.90	2.31	8.57		43.7	91381
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*8.00*		*40.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	The Jarecki Chem. Co., (Armour	**owned), Cincinnati, Nashville, Jeffersonville, Ind.—Con.**
91382	Jarecki 3-18-3 Fertilizer	Manufacturer
		Guaranteed
91383	Jarecki 2-16-2 Fertilizer	Manufacturer
		Guaranteed
91384	Jarecki 2-12-6 Fertilizer	Manufacturer
		Guaranteed
91385	Jarecki 2-12-2 Fertilizer	Manufacturer
		Guaranteed
91386	Jarecki 2-10-4 Fertilizer	Manufacturer
		Guaranteed
91387	Jarecki 1-12-1 Fertilizer	Manufacturer
		Guaranteed
91388		Manufacturer
		Guaranteed
91389	Jarecki 2-12-0 Fertilizer	Manufacturer
		Guaranteed
91390	Jarecki 1-8-4 Fertilizer	Manufacturer
		Guaranteed
91391	Jarecki Raw Bone	Manufacturer
		Guaranteed
91392	Jarecki Bone Meal	Manufacturer
		Guaranteed
92144	Jarecki 16% Acid Phosphate	J. C. Ramsey, Mt. Sterling
		Guaranteed
92145	Jarecki 20% Superphosphate	C. A. Casteel, E. Bernstadt
		Guaranteed
91395	Jarecki 0-12-4 Fertilizer	Manufacturer
		Guaranteed
92146	Jarecki 3-10-10 Fertilizer	J. C. Ramsey, Mt. Sterling
		Guaranteed
92147	Jarecki Indian Brand Tobacco and Potato Grower	Eminence Flour and Feed Co., Eminence
		Guaranteed
	Joslin-Schmidt Corp., (Groves	**Fert. Works) Cincinnati, O.**
92148	Square Br. 2-12-6	F. H. Gordon, Richmond
		Guaranteed
91874	†Square Br. 2-12-2	G. M. Hedrick, Monticello
91875		G. M. Hedrick, Monticello
92338		G. M. Hedrick, Monticello
92403		Aaron L. Moore, Leitchfield
		Guaranteed
91466	Square Br. 2-8-16	Manufacturer
		Guaranteed
92339	Square Br. 2-16-2	G. M. Hedrick, Monticello
		Guaranteed
91468	Square Br. 3-12-4	Manufacturer
		Guaranteed
92149	†Square Br. 3-8-6	Minges Hdw. Co., Newport
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
19.00	0.95	19.95			2.76	2.76	3.35	3.43		44.0	91382
18.00	*1.00*	*19.00*				*2.47*	*3.00*			*40.9*	
16.90	1.60	18.50			1.87	1.87	2.27	2.56		36.5	91383
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
11.95	1.10	13.05			1.50	1.81	2.20	6.19		33.0	91384
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
12.05	0.85	12.90			1.76	1.76	2.14	2.29		28.2	91385
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.50	2.60	13.10			1.72	1.72	2.09	4.33		28.9	91386
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
13.00	1.75	14.75			1.21	1.21	1.47	1.46		26.8	91387
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
8.40	3.00	11.40			1.98	1.98	2.40	2.69		25.0	91388
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
13.80	2.15	15.95			2.08	2.08	2.53			29.9	91389
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
8.40	2.10	10.50			0.90	0.90	1.09	4.60		22.6	91390
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	
		24.55	100			3.88	4.71			40.1	91391
		22.00				*3.71*	*4.50*			*36.8*	
		27.05	82	18		3.01	3.65			37.1	91392
		27.00				*2.47*	*3.00*			*36.9*	
17.35	0.55	17.90								20.8	92144
16.00										*19.2*	
20.00	0.50	20.50								24.0	92145
20.00										*24.0*	
12.00	1.10	13.10						4.53		23.4	91395
12.00								*4.00*		*22.8*	
10.00	0.50	10.50			1.68	2.37	2.88	9.57		36.2	92146
10.00	*1.00*	*11.00*				*2.47*	*3.00*	*10.00*		*37.3*	
8.00	0.60	8.60			1.46	2.26	2.74	0.64	5.84	30.8	92147
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
11.45	1.75	13.20			1.06	1.50	1.82	6.09		31.2	92148
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
12.00	1.20	13.20			1.26	1.65	2.00	1.94		27.4	91874
12.10	1.20	13.30			1.29	1.69	2.05	2.06		27.9	91875
12.45	2.30	14.75			0.89	1.80	2.19	0.76	1.53	30.0	92338
12.15	1.10	13.25			0.47	2.10	2.55	3.82		31.7	92403
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
8.35	1.30	9.65			0.28	1.65	2.00	16.20		39.1	91466
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*16.00*		*38.2*	
16.30	1.30	17.60			1.28	1.89	2.29	2.42		35.4	92339
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
12.70	1.65	14.35			1.53	2.36	2.87	5.04		35.2	91468
12.00	*1.00*	*13.00*				*2.47*	*3.00*	*4.00*		*33.1*	
8.65	1.35	10.00			1.58	2.18	2.65	6.09		29.6	92149
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Joslin-Schmidt Corp., (Groves	**Fert. Works), Cincinnati, O.—Con.**
91876	†Special Tobacco Fertilizer	Vine Grove Feed Co., Vine Grove
		Guaranteed
92152	†Square Br. 1-8-4	F. H. Gordon, Richmond
92153		D. E. Patterson, Hodgenville
92406		D. L. D. Sanderfer, Beaver Dam
		Guaranteed
91472	Square Br. 0-8-24	Manufacturer
		Guaranteed
91877	†Square Br. 0-10-5	A. W. Tarter, Columbia
92340		A. W. Tarter, Columbia
		Guaranteed
91474	Square Br. 0-10-10	Manufacturer
		Guaranteed
91475	Square Br. 0-12-12	Manufacturer
		Guaranteed
91476	Square Br. 0-14-4	Manufacturer
		Guaranteed
91477	Square Br. 4-24-4	Manufacturer
		Guaranteed
91478	Square Br. 3-18-3	Manufacturer
		Guaranteed
91479	Square Br. 0-20-20	Manufacturer
		Guaranteed
91878	16% Acid Phosphate	Vine Grove Feed Co., Vine Grove
92154		J. E. Patterson, Hodgenville
92341		H. D. Jones, Glasgow
92408		Aaron L. Moore, Leitchfield
		Guaranteed
91879	20% Acid Phosphate	Vine Grove Feed Co., Vine Grove
91880		H. D. Jones, Glasgow
92342		H. D. Jones, Glasgow
		Guaranteed
92155	Regular Bone Mixture	R. D. Robertson, Mayfield
		Guaranteed
91483	Special Bone Mixture	Manufacturer
		Guaranteed
92343	2-27 Bone	H. D. Jones, Glasgow
92409		R. A. Mayhew Feed Co., Franklin
		Guaranteed
91486	Muriate of Potash	Manufacturer
		Guaranteed
91487	Sulphate of Ammonia	Manufacturer
		Guaranteed
91488	Nitrate of Soda	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.75	1.05	9.80			1.75	2.29	2.78	0.72	4.78	30.7	91876
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.35	0.70	9.05			0.55	0.81	0.98	4.38		21.3	92152
9.20	1.10	10.30				0.50	0.82	1.00	6.08	24.8	92153
10.05	0.90	10.95				0.97	1.18	4.00		24.1	92406
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	
8.15	0.85	9.00						26.66		44.2	91472
8.00								*24.00*		*40.8*	
10.20	1.15	11.35						5.00		21.3	91877
10.00	1.25	11.25						4.60		20.5	92340
10.00								*5.00*		*21.0*	
10.20	1.50	11.70						12.60		30.4	91474
10.00								*10.00*		*27.0*	
12.25	1.35	13.60						12.21		33.0	91475
12.00								*12.00*		*32.4*	
15.05	1.35	16.40						4.39		27.9	91476
14.00								*4.00*		*25.8*	
25.65	0.25	25.90			0.70	3.40	4.13	3.85		56.8	91477
24.00						*3.29*	*4.00*	*4.00*		*54.0*	
19.15	0.35	19.50			1.01	2.46	2.99	3.60		43.0	91478
18.00						*2.47*	*3.00*	*3.00*		*40.5*	
21.15	0.20	21.35						19.50		55.1	91479
20.00								*20.00*		*54.0*	
16.50	1.20	17.70								19.8	91878
17.20	0.85	18.05								20.6	92154
17.15	1.30	18.45								20.6	92341
17.05	0.45	17.50								20.5	92408
16.00										*19.2*	
19.95	1.75	21.70								23.9	91879
19.25	1.75	21.00								23.1	91880
19.90	0.80	20.70								23.9	92342
20.00										*24.0*	
10.85	5.75	16.60			1.00	1.75	2.12	4.68		31.2	92155
8.00	*8.00*	*16.00*				*1.65*	*2.00*	*2.00*		*24.2*	
10.30	10.90	21.20			0.30	1.08	1.31	5.56		30.8	91483
10.00	*10.00*	*20.00*				*0.82*	*1.00*	*5.00*		*28.3*	
		29.00	82	18		2.00	2.43			37.0	92343
		28.10	78	22		2.05	2.49			36.3	92409
		27.00				*1.65*	*2.00*			*33.6*	
								52.80		63.4	91486
								50.00		*60.0*	
						20.72	25.30			82.9	91487
						20.60	*25.00*			*82.4*	
						15.48	18.80			61.9	91488
						15.65	*19.00*			*62.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Kentucky Fert. Co., Br. Federal	**Chem. Co., Inc., Louisville, Ky.**
91881	Ky. Corn, Wheat and Oats Grower	J. W. Burton, Columbia
92156		L. R. Hart, Big Clifty
92157		Farmers Supply Co., Williamsburg
92158		Boone County Farm Bureau, Florence
		Guaranteed
91286	O. K. Wheat and Grain Special	Manufacturer
		Guaranteed
91287	O. K. Corn, Wheat and Tobacco Grower	Manufacturer
		Guaranteed
92463	O. K. High Grade Mixture	Henderson & Hardy Co., Shepherdsville
		Guaranteed
92159	O. K. Crop and Tobacco Grower	Farmers Supply Co., Williamsburg
		Guaranteed
92160	†Golden Leaf Tobacco Grower	L. R. Hart, Big Clifty
		Guaranteed
91882	O. K. 16% Phosphate	J. W. Burton, Columbia
92162		Guenther Hdw. Co., Owensboro
92163		Boone County Farm Bureau, Florence
92164		L. R. Hart, Big Clifty
92410		Thompson Fert. Co., Mt. Sterling
		Guaranteed
91292	O. K. Raw Bone	Manufacturer
		Guaranteed
92165	O. K. High Grade Fertilizer	Thompson Fert. Co., Mt. Sterling
		Guaranteed
	Knoxville Fert. Co., Knoxville,	**Tenn.**
91883	Knox Magnesia Phosphate	E. T. Ford, Cave City
91884		C. M. Langdon, Science Hill
92166		Lander Hardware Co., Elizabethtown
92345		Stewarts' Cash Grocery, Horse Cave
92346		C. M. Langdon, Science Hill
92347		Lander Hardware Co., Elizabethtown
92411		Page and Bowles, Glasgow
		Guaranteed
91885	Basic Ten-O-Four	E. T. Ford, Cave City
91886		W. W. Taylor, Somerset
92167		Bohannon and Stedman, Versailles
92348		Stewarts' Cash Grocery, Horse Cave
92349		C. M. Langdon, Science Hill
92412		Page and Bowles, Glasgow
		Guaranteed
91686	Knox Vegetable Special	Manufacturer
		Guaranteed
91887	Bright Burley Brand	E. T. Ford, Cave City
92168		Bohannon and Stedman, Versailles
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.50	4.70	14.20			0.39	1.00	1.21	1.39		21.8	91881
9.75	1.50	11.25			0.55	1.13	1.37	1.03		21.0	92156
10.90	1.10	12.00			0.45	0.92	1.12	0.96		21.6	92157
10.10	1.05	11.15			0.54	1.07	1.30	1.13		21.2	92158
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.75	5.95	19.70			1.35	1.35	1.64	2.08		30.9	91286
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
12.50	7.10	19.60			1.40	1.40	1.70	3.79		31.7	91287
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
12.15	4.30	16.45			0.49	0.91	1.10	2.73		26.9	92463
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
7.95	0.95	8.90			0.45	0.94	1.14	4.02		20.9	92159
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
8.70	1.45	10.15			1.00	1.65	2.00	2.08		22.7	92160
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
15.35	3.85	19.20								18.4	91882
16.75	2.60	19.35								20.1	92162
16.20	1.35	17.55								19.4	92163
16.40	1.25	17.65								19.7	92164
15.60	1.60	17.20								18.7	92410
16.00										*19.2*	
		19.45	57	43		4.18	5.07			36.2	91292
		20.00				*3.29*	*4.00*			*33.2*	
10.70	1.35	12.05			1.09	1.80	2.19	1.86		26.0	92165
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
16.20	1.50	17.70								19.4	91883
16.05	1.25	17.30								19.3	91884
16.75	1.40	18.15								20.1	92166
16.30	1.70	18.00								19.6	92345
16.05	1.75	17.80								19.3	92346
16.35	1.60	17.95								19.6	92347
16.00	1.70	17.70								19.2	92411
16.00										*19.2*	
9.95	1.45	11.40						4.55		20.4	91885
10.50	1.00	11.50						4.36		21.0	91886
10.10	1.00	11.10						4.19		20.2	92167
10.70	1.30	12.00						4.06		20.9	92348
10.35	0.90	11.25						4.27		20.7	92349
10.60	1.30	11.90						4.11		20.8	92412
10.00								*4.00*		*19.8*	
9.50	1.20	10.70			1.01	1.79	2.17	4.53		27.3	91686
8.00						*1.65*	*2.00*	*4.00*		*23.4*	
9.70	1.05	10.75			0.89	1.83	2.22	4.33		27.5	91887
10.30	0.90	11.20			1.01	1.94	2.36	4.55		29.0	92168
9.00						*2.00*	*2.43*	*4.00*		*26.3*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Knoxville Fertilizer Co.,	**Knoxville, Tenn.—Con.**
91888	Dark Tobacco Brand	W. B. and U. G. Robertson, Adairville
92414		Young Hardware Co., Hopkinsville
		Guaranteed
91689	Knox Triple A	Manufacturer
		Guaranteed
91690	Sulphate of Ammonia	Manufacturer
		Guaranteed
91733	Acid Phosphate	Manufacturer
		Guaranteed
91734	Ordinary Ten-O-Four	Manufacturer
		Guaranteed
	Kuttroff, Pickhardt & Co., Inc.,	**New York, N. Y.**
91691	Urea B. A. S. F. (Floranid)	Manufacturer
		Guaranteed
91692	Calcium Nitrate B. A. S. F. (Nitrate of Lime)	Manufacturer
		Guaranteed
91693	Leunasalpeter	Manufacturer
		Guaranteed
	Louisville Fertilizer Co., (Armour	**owned) Cin., O., Nash., Tenn., Jeff., Ind.**
91349	Louisville Plant Bed Special	Manufacturer
		Guaranteed
91350	Louisville Dark Tobacco Grower	Manufacturer
		Guaranteed
91351	Louisville Potato Grower	Manufacturer
		Guaranteed
91352	Louisville 4-16-4 Fertilizer	Manufacturer
		Guaranteed
91353	Louisville 2-16-8 Fertilizer	Manufacturer
		Guaranteed
91354	Louisville 3-18-3 Fertilizer	Manufacturer
		Guaranteed
91355	Louisville 2-16-2 Fertilizer	Manufacturer
		Guaranteed
91356	Louisville 2-12-6 Fertilizer	Manufacturer
		Guaranteed
91357	Louisville 2-12-2 Fertilizer	Manufacturer
		Guaranteed
92464	Louisville 2-10-4 Fertilizer	Henderson & Hardy Co., Shepherdsville
		Guaranteed
91359	Louisville 1-12-1 Fertilizer	Manufacturer
		Guaranteed
92170	Louisville 2-8-2 Fertilizer	M. B. Wallingford, Mt. Carmel
		Guaranteed
91361	Louisville 2-12-0 Fertilizer	Manufacturer
		Guaranteed
91362	Louisville 1-8-4 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.80	0.80	10.60			0.88	1.85	2.25	4.33		27.6	91888
9.70	1.05	10.75			0.93	1.71	2.08	4.46		27.2	92414
9.00						*2.00*	*2.43*	*4.00*		*26.3*	
10.35	1.85	12.10			2.43	3.25	3.95	4.54		34.6	91689
10.00						*3.29*	*4.00*	*4.00*		*33.0*	
						21.00	25.50			84.0	91690
						10.77	*24.00*			*79.1*	
16.90	1.70	18.60								20.3	91733
16.00										*19.2*	
10.60	1.20	11.80						4.68		21.5	91734
10.00								*4.00*		*19.8*	
						46.00	55.84			184.0	91691
						46.00	*55.84*			*184.0*	
						15.20	18.46			60.8	91962
						15.00	*18.21*			*60.0*	
						25.96	31.52			103.8	91693
						26.00	*31.57*			*104.0*	
8.00	3.05	11.05			2.70	3.53	4.29		3.40	32.4	91349
8.00	*1.00*	*9.00*				*3.29*	*4.00*		*3.00*	*30.1*	
7.80	10.60	18.40			1.52	1.85	2.25		4.06	28.2	91350
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
9.35	3.25	12.60			1.91	2.41	2.93	0.80	6.63	35.9	91351
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
16.70	0.75	17.45			3.22	3.22	3.91	4.60		43.8	91352
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
17.00	0.80	17.80			1.90	1.90	2.31	8.57		43.7	91353
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*8.00*		*40.6*	
19.00	0.95	19.95			2.76	2.76	3.35	3.43		44.0	91354
18.00	*1.00*	*19.00*				*2.47*	*3.00*	*3.00*		*40.9*	
16.90	1.60	18.50			1.87	1.87	2.27	2.56		36.5	91355
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
11.95	1.10	13.05			1.50	1.81	2.20	6.19		33.0	91356
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
12.05	0.85	12.90			1.76	1.76	2.14	2.29		28.2	91357
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.60	1.00	11.60			1.62	1.62	1.97	3.51		27.0	92464
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
13.00	1.75	14.75			1.21	1.21	1.47	1.46		26.8	91359
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
8.20	0.90	9.10			1.35	1.64	1.99	2.11		21.8	92170
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
13.80	2.15	15.95			2.08	2.08	2.53			29.9	91361
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
8.40	2.10	10.50			0.90	0.90	1.09	4.60		22.6	91362
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Louisville Fertilizer Co., (Armour	**owned) Cin., Nash., Jeffersonville—Con.**
91363	Louisville Raw Bone	Manufacturer
		Guaranteed
91364	Louisville Bone Meal	Manufacturer
		Guaranteed
91889	Louisville 16% Acid Phosphate	Louis Cohen, Central City
91890		Yopp Seed Co., Paducah
92171		M. B. Wallingford, Mt. Carmel
92172		Barnett Bros., London
92478		Ratliffe Hardware Co., Princeton
		Guaranteed
91366	Louisville 20% Super-Phosphate	Manufacturer
		Guaranteed
91367	Louisville 0-12-4	Manufacturer
		Guaranteed
91368	Louisville 4-16-4 Guano	Manufacturer
		Guaranteed
91369	Louisville Big Tobacco Maker 3-8-6	Manufacturer
		Guaranteed
91370	Louisville Tobacco Grower 2-8-4	Manufacturer
		Guaranteed
91371	Louisville High Grade Tobacco Grower 2-10-10	Manufacturer
		Guaranteed
91372	Louisville 2-12-2 Guano	Manufacturer
		Guaranteed
91373	Louisville 2-10-4 Guano	Manufacturer
		Guaranteed
91374	Louisville 1-12-1 Guano	Manufacturer
		Guaranteed
91375	Louisville 0-12-4 Guano	Manufacturer
		Guaranteed
91441	Louisville Old Black Joe	Manufacturer
		Guaranteed
91442	Louisville 2-8-2 Guano	Manufacturer
		Guaranteed
91443	Louisville Special Tobacco Grower	Manufacturer
		Guaranteed
92276	Bear 0-16-8 Guano	Manufacturer
		Guaranteed
92277	Eagle 0-16-8 Guano	Manufacturer
		Guaranteed
	National Chemical Co., Louisville,	**Ky.**
91576	Big Pay Corn and Wheat Special 1-10-1	Manufacturer
		Guaranteed
91577	Big Pay Wheat and Corn Grower 1-10-2	Manufacturer
		Guaranteed
91578	Big Pay Crady's Formula 1-11-3	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		24.55	100			3.88	4.71			40.1	91363
		22.00				*3.71*	*4.50*			*36.8*	
		27.05	82	18		3.01	3.65			37.1	91364
		27.00				*2.47*	*3.00*			*36.9*	
16.55	4.85	21.40								19.9	91889
16.00	2.60	18.60								19.2	91890
16.25	0.35	16.60								19.5	92171
16.05	0.60	16.65								19.3	92172
17.50	2.90	20.40								21.0	92478
16.00										*19.2*	
22.20	0.40	22.60								26.6	91366
20.00										*24.0*	
12.00	1.10	13.10						4.53		23.4	91367
12.00								*4.00*		*22.8*	
16.70	0.75	17.45			3.22	3.22	3.91	4.60		43.8	91368
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
9.35	3.25	12.60			1.91	2.41	2.93	0.80	6.63	35.9	91369
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.80	3.70	12.50			1.35	1.73	2.10	0.68	4.16	28.7	91370
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
10.35	2.85	13.20			1.38	1.75	2.12	1.04	9.33	38.9	91371
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*10.00*	*37.0*	
12.05	0.85	12.90			1.76	1.76	2.14	2.29		28.2	91372
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.50	2.60	13.10			1.72	1.72	2.09	4.33		28.9	91373
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
13.00	1.75	14.75			1.21	1.21	1.47	1.46		26.8	91374
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
12.00	1.10	13.10						4.53		23.4	91375
12.00								*4.00*		*22.8*	
7 80	10.60	18.40			1.52	1.85	2.25		4.06	28.2	91441
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
8.40	3.00	11.40			1.98	1.98	2.40	2.69		25.0	91442
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
8.40	3.00	11.40			1.98	1.98	2.40	2.69		25.0	91443
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
17.70	2.10	19.80						8.06		36.2	92276
16.00								*8.00*		*33.6*	
17.70	2.10	19.80						8.06		36.2	92277
16.00								*8.00*		*33.6*	
9.30	10.80	20.10			1.72	1.72	2.09	4.35		30.4	91576
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
12.10	4.70	16.80			2.10	2.10	2.55	6.35		36.1	91577
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
13.35	1.95	15.30			2.15	2.15	2.61	8.48		39.6	91578
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	National Chemical Co.,	**Louisville, Ky.—Con.**
91579	Big Pay Crop and Tobacco Fertilizer 1-8-4	Manufacturer Guaranteed
91580	Big Pay All Crop Fertilizer 1-12-1..	Manufacturer Guaranteed
91581	Big Pay Tobacco Grower 2-8-2	Manufacturer Guaranteed
91582	Big Pay Beef, Blood and Bone Fertilizer 2-8-2	Manufacturer Guaranteed
91583	Big Pay Kentucky Special Tobacco Grower 2-8-5	Manufacturer Guaranteed
91584	Big Pay High Grade Fertilizer 2-10-2	Manufacturer Guaranteed
91585	Big Pay Black Bone Tobacco Grower 2-10-2	Manufacturer Guaranteed
91586	Big Pay Champion 2-12-2	Manufacturer Guaranteed
91587	Big Pay Tomato and Tobacco Fertilizer 2-12-6	Manufacturer Guaranteed
91588	Big Pay 2-16-2 Fertilizer	Manufacturer Guaranteed
91589	Big Pay 2-16-8 Formula	Manufacturer Guaranteed
91590	Big Pay Front Rank Fertilizer 3-12-4	Manufacturer Guaranteed
91591	Big Pay Special Tobacco and Potato Fertilizer 3-8-6	Manufacturer Guaranteed
91592	Big Pay Special Tobacco and Potato Grower 3-8-6	Manufacturer Guaranteed
91593	Big Pay Extra Special Tobacco Grower 3-8-10	Manufacturer Guaranteed
91594	Big Pay Tobacco Bed Special 4-10-0	Manufacturer Guaranteed
91595	Big Pay Potash Mixture 0-10-4	Manufacturer Guaranteed
91596	Big Pay High Grade Phosphate 0-16-0	Manufacturer Guaranteed
91597	Big Pay Extra Grade Phosphate.... 0-18-0	Manufacturer Guaranteed
91598	Big Pay 20% Phosphate	Manufacturer Guaranteed
91599	Big Pay Steamed Bone 1¼-30	Manufacturer Guaranteed
91601	Big Pay Champion Pot. and Tob. Fert. 4-10-4	Manufacturer Guaranteed
	New Louisville Rendering Co., Inc.,	**Louisville, Ky.**
91744	Pure Bone Meal	Manufacturer Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.50	6.70	16.20			2.18	2.18	2.65	9.97		37.6	91579
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20 9*	
13.55	3.60	17.15			2.03	2.03	2.46	4.91		35.8	91580
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
9.65	9.30	18.95			2.35	2.35	2.85	4.86		33.4	91581
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.60	9.30	18.90			2.34	2.34	2.84	4.79		33.2	91582
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.35	6.90	16.25			2.97	2.97	3.61	8.16		38.5	91583
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
11.75	5.50	17.25			2.82	2.82	3.42	4.72		36.8	91584
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
11.80	5.70	17.50			2.75	2.75	3.34	4.95		36.9	91585
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.10	4.10	16.20			2.76	2.76	3.35	5.72		37.7	91586
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
12.15	1.95	14.10			2.71	2.71	3.29	9.35		41.1	91587
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
17.95	0.90	18.85			2.28	2.28	2.77	4.52		41.8	91588
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
18.20	0.70	18.90			2.74	2.74	3.33	9.14		49.5	91589
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*8.00*		*41.0*	
12.80	1.95	14.75			3.34	3.34	4.05	6.42		41.0	91590
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
8.95	6.55	15.50			3.32	3.32	4.03	5.84	3.63	41.8	91591
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
9.50	6.10	15.60			3.04	3.04	3.69	0.88	6.79	40.1	91592
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
9.30	2.50	11.80			3.27	3.27	3.97		13.48	48.3	91593
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
12.35	3.55	15.90			4.98	4.98	6.05			39.9	91594
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
10.55	7.70	18.25						9.80		27.6	91595
10.00								*4.00*		*19.8*	
16.35	3.50	19.85								19.6	91596
16.00										*19.2*	
18.05	1.10	19.15								21.7	91597
18.00										*21.6*	
23.20	3.45	26.65								27.8	91598
20.00										*24.0*	
		30.50	88	12		1.33	1.61			35.8	91599
		30.00				*1.03*	*1.25*			*34.1*	
10.60	2.85	13.45			4.97	4.97	6.03	6.58		44.8	91601
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
		23.90	59	41		3.58	4.35			38.2	91744
		22.00				*3.50*	*4.25*			*36.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	New Louisville Rendering Co.,	**Louisville, Ky.—Con.**
91745	Pure Animal Matter, Meat Bones and Blood	Manufacturer
		Guaranteed
	Nitrate Agencies Co., New Orleans,	**La.**
92174	Nitrate of Soda	Farm Bureau Supply Co., Elizabethtown
		Guaranteed
91159	Nitrapo	Manufacturer
		Guaranteed
	North America Fertilizer Co., Inc.,	**Louisville, Ky.**
91891	North America Corn and Wheat Special 1-10-1	
92175		I. K. Miller & Son, Campbellsville
92176		Franklin Dudley, Flemingsburg
92350		Aaron L. Moore, Leitchfield
92415		I. K. Miller & Son, Campbellsville
		Aaron L. Moore, Leitchfield
91892	N. A. Wheat and Corn Grower 1-10-2	Guaranteed
92351		I. K. Miller & Son, Campbellsville
		I. K. Miller & Son, Campbellsville
92177	†N. A. Crady's Formula 1-11-3	Guaranteed
92178		Union Store Co., Fern Creek
		Aaron L. More, Leitchfield
91893	N. A. Crop and Tobacco Fertilizer 1-8-4	Guaranteed
		Auburn Roller Mills, Auburn
91554	N. A. All Crop Fertilizer 1-12-1	Guaranteed
		Manufacturer
91894	N. A. Tobacco Grower 2-8-2	Guaranteed
		Auburn Roller Mills, Auburn
91895	N. A. Beef, Blood and Bone Fertilizer 2-8-2	Guaranteed
		J. H. Baughman, Stanford
92179		Aaron L. Moore, Leitchfield
92417		Lonnie Jackson, Caneyville
92418		Ralph Milling Co., Hartford
		Guaranteed
92180	N. A. Kentucky Special Tobacco Grower 2-8-5	Carl Harrison, Philpot
		Guaranteed
91558	N. A. High Grade Fertilizer 2-10-2	Manufacturer
		Guaranteed
92181	N. A. Black Bone Tobacco Grower 2-10-2	
92419		Aaron L. Moore, Leitchfield
		Aaron L. Moore, Leitchfield
92420	N. A. Champion 2-12-2	Guaranteed
		T. C. Martin, Beaver Dam
91561	N. A. Tomato and Tobacco Fertilizer 2-12-6	Guaranteed
		Manufacturer
92421	†N. A. 2-16-2 Fertilizer	Guaranteed
		J. H. Baughman, Stanford
91563	N. A. 2-16-8 Formula	Guaranteed
		Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		12.00	71	29		5.54	6.73			34.2	91745
		10.00				*4.00*	*4.86*			*26.0*	
						15.48	18.80			61.9	92174
						15.00	*18.21*			*60.0*	
						14.36	17.43	15.44		80.6	91159
						15.00	*18.21*	*12.40*		*74.9*	
10.35	1.05	11.40			0.44	0.94	1.14	1.30		21.3	91891
9.75	0.90	10.65			0.43	0.99	1.20	0.52	0.44	20.2	92175
10.10	1.10	11.20			0.43	0.91	1.10	0.99		20.4	92176
9.40	1.30	10.70			0.35	0.89	1.08	1.14		19.6	92350
9.55	0.90	10.45			0.51	1.01	1.23	1.41		20.4	92415
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
10.10	0.90	11.00			0.39	0.82	1.00	2.59		21.9	91892
9.25	1.30	10.55			0.42	1.01	1.23	2.40		21.3	92351
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
11.45	1.00	12.45			0.49	0.96	1.17	2.92		24.9	92177
11.95	1.30	13.25			0.46	0.88	1.07	2.47		24.9	92178
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
8.45	4.00	12.45			0.56	1.03	1.25	3.99		23.2	91893
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*4.00*		*20.9*	
13.55	3.60	17.15			2.03	2.03	2.46	4.91		35.8	91554
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	
9.65	3.65	13.30			1.00	1.66	2.02	2.35		25.4	91894
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
9.15	1.30	10.45			1.23	1.84	2.23	2.41		24.5	91895
7.75	1.40	9.15			1.31	1.76	2.14	2.40		22.1	92179
8.05	1.20	9.25			1.10	1.77	2.15	1.73		21.7	92417
7.85	1.35	9.20			0.90	1.62	1.97	2.51		21.8	92418
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
8.35	3.15	11.50			1.04	2.10	2.55	4.58		27.8	92180
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*5.00*		*25.4*	
11.75	5.50	17.25			2.82	2.82	3.42	4.72		36.8	91558
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
9.35	1.50	10.80			1.40	1.91	2.32	2.57		25.4	92181
10.30	0.70	11.00			1.05	1.71	2.08	2.24		25.3	92419
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
12.50	1.20	13.70			0.98	1.62	1.97	2.03		28.2	92420
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
12.15	1.95	14.10			2.71	2.71	3.30	9.35		41.1	91561
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
15.40	0.95	16.35			1.05	2.05	2.49	2.15		34.3	92421
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
18.20	0.70	18.90			2.74	2.74	3.33	9.14		49.5	91563
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*8.00*		*41.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	North American Fertilizer Co., Inc.,	**Louisville, Ky.—Con.**
91564	N. A. Front Rank Fertilizer 3-12-4	Manufacturer
		Guaranteed
92182	†N. A. Special Tobacco and Potato Fertilizer 3-8-6	Union Store Co., Fern Creek
		Guaranteed
91897	N. A. Special Tobacco and Potato Grower 3-8-6	Stewart and Co., Munfordville
92183		Pleasureville Implement Co., N. Pleasureville
		Guaranteed
91567	N. A. Extra Special Tobacco Grower 3-8-10	Manufacturer
		Guaranteed
92185	N. A. Tobacco Bed Special 4-10-0	J. E. Gay, Mt. Sterling
		Guaranteed
91569	N. A. Potash Mixture 0-10-4	Manufacturer
		Guaranteed
91898	N. A. H. Gr. Phosphate 0-16-0	Stewart and Co., Munfordville
91899		J. C. Bradshow, Crocus
91900		I. K. Miller & Son, Campbellsville
92186		A. E. Taylor, Welche's Creek
92353		I. K. Miller & Son, Campbellsville
92422		Lonnie Jackson, Caneyville
		Guaranteed
91571	N. A. Extra Grade Prosphate 0-18-0	Manufacturer
		Guaranteed
92187	N. A. 20% Phosphate	Aaron L. Moore, Leitchfield
92188		Grigsby and Co., Bardstown
		Guaranteed
91573	N. A. Steamed Bone 1¼-30	Manufacturer
		Guaranteed
92189	N. A. Champion Potato and Tobacco Fertilizer 4-10-4	Pleasureville Implement Co., N. Pleasureville
		Guaranteed
92423	N. A. 4-16-4 Fertilizer	Grigsby and Co., Bardstown
		Guaranteed
	Price Chemical Co., Inc., Louisville,	**Ky.**
91161	Three-Eight-Six Potato Grower	Manufacturer
		Guaranteed
91162	Potato Special	Manufacturer
		Guaranteed
91163	Excelsior Potato Mixture	Manufacturer
		Guaranteed
91901	Spl. Corn and Wheat Fertilizer	W. S. Upchurch, Norah
92190		Aaron L. Moore, Leitchfield
92354		H. L. Dixon, Upton
		Guaranteed
91165	Universal Crop Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
12.80	1.95	14.75			3.34	3.34	4.05	6.42		41.0	91564
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
7.65	1.05	8.70			1.87	2.80	3.40	5.51		29.7	92182
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.40	2.50	10.90			1.41	2.58	3.13	2.48	3.75	32.5	91897
8.55	1.05	9.60			1.72	2.59	3.14	4.28	2.14	32.0	92183
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
9.30	2.50	11.80			3.27	3.27	3.97		13.48	48.3	91567
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*10.00*	*37.7*	
9.95	0.35	10.30			1.83	3.21	3.90			27.9	92185
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
10.55	7.70	18.25						9.80		27.6	91569
10.00								*4.00*		*19.8*	
16.55	3.15	19.70								19.9	91898
16.00	2.70	18.70								19.2	91899
16.70	0.80	17.50								20.0	91900
16.05	1.45	17.50								19.3	92186
15.25	1.60	16.85								18.3	92353
16.30	1.20	17.50								19.6	92422
16.00										*19.2*	
18.05	1.10	19.15								21.7	91571
18.00										*21.6*	
23.40	0.80	24.20								28.1	92187
21.30	0.50	21.80								25.6	92188
20.00										*24.0*	
		30.50	88	12		1.33	1.61			35.8	91573
		30.00				*1.03*	*1.25*			*34.1*	
10.40	0.90	11.30			2.11	3.13	3.80	4.61		34.0	92189
10.00	*2.00*	*12.00*				*3.29*	*4.00*	*4.00*		*33.8*	
16.35	0.95	17.30			2.26	3.39	4.12	4.58		44.0	92423
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
9.85	2.30	12.15			2.16	3.05	3.70	0.80	6.48	38.4	91161
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
12.20	2.20	14.40			2.85	3.98	4.83	1.08	4.17	42.7	91162
10.00	*2.00*	*12.00*				*3.29*	*4.00*		*4.00*	*35.0*	
10.20	2.15	12.35			3.03	4.46	5.41	0.60	4.85	42.0	91163
8.00	*2.00*	*10.00*				*4.12*	*5.00*		*4.00*	*35.3*	
10.30	1.50	11.80			0.33	1.06	1.29	1.72		22.4	91901
12.60	1.20	13.80			0.29	1.11	1.35	1.73		25.9	92190
11.30	0.50	11.80			0.25	1.05	1.27	0.48	0.87	23.2	92354
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
13.45	2.85	16.30			0.66	1.23	1.49	2.17		28.8	91165
12.00	*2.00*	*14.00*				*0.82*	*1.00*	*1.00*		*23.3*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Price Chemical Co., Inc.,	**Louisville, Ky.—Con.**
91166	Bone Phosphate and Tankage	Manufacturer
		Guaranteed
92191	Vegetable, Potato and Tobacco Special	T. E. Furrie, West Point
92192		Aaron L. Moore, Leitchfield
		Guaranteed
92193	Harvest King	Aaron L. Moore, Leitchfield
		Guaranteed
91169	Blue Grass Tobacco Grower	Manufacturer
		Guaranteed
91902	Blue Grass Tobacco Fertilizer	I. K. Miller & Son, Campbellsville
		Guaranteed
92194	Old Time Grain Fertilizer	W. L. Anderson & Son, Caneyville
92424		W. L. Anderson & Son, Caneyville
		Guaranteed
91172	Old Time Tobacco Fertilizer	Manufacturer
		Guaranteed
91173	Superior Tobacco Fertilizer	Manufacturer
		Guaranteed
91174	H. Gr. Vegetable Grower	Manufacturer
		Guaranteed
91175	Kentucky Special	Manufacturer
		Guaranteed
91903	Tomato Special	D. C. Hopper, Russell Springs
92195		Green & Duff, Mt. Sterling
		Guaranteed
91177	Truck and Tobacco Fertilizer	Manufacturer
		Guaranteed
92196	Three-Eight-Six Tobacco Grower	C. S. Price Co., Owensboro
92197		Green & Duff, Mt. Sterling
		Guaranteed
91904	Three-Eight-Six Tobacco Fertilizer	C. W. Crews, Hustonville
		Guaranteed
92198	Plant Bed Manure	Lewisport Mill Co., Lewisport
92199		Pleasureville Implement Co., N. Pleasureville
		Guaranteed
91181	Ten and Ten Percent Potash Fert.	Manufacturer
		Guaranteed
91182	Potash Tobacco Fertilizer	Manufacturer
		Guaranteed
92200	20% Phosphate	Aaron L. Moore, Leitchfield
92201		Green & Duff, Mt. Sterling
		Guaranteed
92202	Extra High Grade Phosphate	Green & Duff, Mt. Sterling
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
11.30	2.85	14.15			0.68	1.25	1.52	2.95		26.6	91166
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
10.60	0.90	11.50			0.84	1.42	1.72	3.08	0.83	26.9	92191
13.50	1.50	15.00			0.52	1.06	1.29	3.28		29.0	92192
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
8.85	0.90	9.75			0.50	1.02	1.24	3.34		21.7	92193
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
10.00	2.25	12.25			0.84	1.69	2.05	0.56	4.50	30.1	91169
8.00	*2.00*	*10.00*				*1.23*	*1.50*		*4.00*	*23.7*	
8.60	1.55	10.15			0.74	1.32	1.60	3.87		23.4	91902
8.00	*2.00*	*10.00*				*1.23*	*1.50*	*4.00*		*22.5*	
9.10	0.80	9.90			0.97	1.76	2.14	2.07		23.5	92194
9.20	0.40	9.60			1.10	1.70	2.06	2.16		23.4	92424
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
10.40	2.10	12.50			1.36	2.23	2.71		3.22	30.2	91172
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*2.00*	*22.4*	
9.35	2.80	12.15			1.32	2.18	2.65	0.60	5.95	33.5	91173
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
11.65	2.55	14.20			1.33	2.20	2.67	5.43		33.8	91174
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
13.85	2.50	16.35			1.26	2.15	2.61	3.21		34.2	91175
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
12.10	1.80	13.90			1.14	1.84	2.23	6.15		33.6	91903
11.80	1.40	13.20			1.15	1.76	2.14	6.62		33.2	92195
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
10.00	2.30	12.30			2.20	3.05	3.70	4.25		33.2	91177
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*3.00*		*26.3*	
9.40	1.10	10.50			2.18	2.76	3.35	0.80	5.23	34.4	92196
8.10	0.80	8.90			1.72	2.57	3.12	0.96	5.85	32.7	92197
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
8.40	1.10	9.50			1.67	2.49	3.02	6.25		30.5	91904
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
11.30	0.80	12.10			2.57	3.26	3.96			30.3	92198
10.55	1.25	11.80			2.32	3.12	3.79			28.8	92199
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
10.80	1.00	11.80						11.40		29.9	91181
10.00								*10.00*		*27.0*	
10.80	1.00	11.80						6.11		23.5	91182
10.00								*5.00*		*21.0*	
21.75	0.35	22.10								26.1	92200
21.15	0.25	21.40								25.4	92201
20.00										*24.0*	
20.35	0.25	20.60								24.4	92202
18.00										*21.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Price Chemical Co., Inc.,	**Louisville, Ky.—Con.**
92203	H. Gr. Phosphate	W. L. Anderson & Son, Caneyville
92204		Shelbyville Feed and Produce Co., Shelbyville
92205		Shouse and Kercheval, Salt Lick
92425		Green & Duff, Mt. Sterling
92426		W. L. Anderson & Son, Caneyville
		Guaranteed
91905	Phosphate and Tobacco (200 lbs. stems)	D. C. Hopper, Russell Springs
91906		E. S. Chitwood, Woodmont
		Guaranteed
91189	Steamed Bone Meal	Manufacturer
		Guaranteed
91293	Five-Ten-Five Potato Grower	Manufacturer
		Guaranteed
91294	Vegetable and Potato Grower	Manufacturer
		Guaranteed
91637	Four-Sixteen-Four Fertilizer	Manufacturer
		Guaranteed
92206	Beef, Blood and Bone	Aaron L. Moore, Leitchfield
		Guaranteed
91738	Two-Sixteen-Two Fertilizer	Manufacturer
		Guaranteed
92261	Steamed Bone Meal	Manufacturer
		Guaranteed
	Rasin-Monumental Co., Sub. of	**Va-Car Chem. Corp., Cincinnati, O.**
91907	Rasin's 16% Acid Phosphate	Lessenberry & Wilson, Glasgow
92209		Blankenship, Ward & Co., Louisa
92210		M. G. Parman, London
		Guaranteed
92211	Rasin's 20% Acid Phosphate	M. G. Parman, London
		Guaranteed
91513	Rasin's 24% Acid Phosphate	Manufacturer
		Guaranteed
91514	Rasin's 10-5 Acid and Potash	Manufacturer
		Guaranteed
91515	Rasin's Big Giant Phosphate	Manufacturer
		Guaranteed
91516	Rasin's Reliable Wheat and Corn Fertilizer	Manufacturer
		Guaranteed
91517	Rasin's General Favorite	Manufacturer
		Guaranteed
91518	Rasin's Sweepstakes Fertilizer	Manufacturer
		Guaranteed
91520	Rasin's 3-18-3 Fertilizer	Manufacturer
		Guaranteed
91521	Rasin's 2-8-4 Tobacco Grower (Potash from Sulfate)	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
18.50	1.10	19.60								22.2	92203
17.40	0.20	17.60								20.9	92204
18.55	0.35	18.90								22.3	92205
18.85	0.10	18.95								22.6	92425
17.30	0.30	17.60								20.8	92426
16.00										*19.2*	
14.70	1.70	16.40								17.6	91905
14.75	2.05	16.80								17.7	91906
14.00										*16.8*	
		27.30	68	32		2.45	2.97			37.1	91189
		24.00				*2.47*	*3.00*			*33.9*	
12.40	2.15	14.55			3.21	4.59	5.57	1.08	5.83	47.9	91293
10.00	*2.00*	*12.00*				*4.12*	*5.00*		*5.00*	*39.8*	
9.80	2.55	12.35			3.54	4.99	6.06			35.7	91294
10.00	*2.00*	*12.00*				*3.29*	*4.00*			*29.0*	
18.20	1.85	20.05			2.67	3.77	4.58	5.37		49.6	91637
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
13.90	2.00	15.90			1.14	1.72	2.09	1.96		30.9	92206
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
18.35	1.95	20.20			1.41	2.20	2.67	3.34		41.0	91738
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
		28.30	83	17		1.90	2.31			35.9	92261
		27.00				*1.65*	*2.00*			*33.6*	
16.40	4.45	20.85								19.7	91907
17.30	4.20	21.50								20.8	92209
17.45	2.40	19.85								20.9	92210
16.00										*19.2*	
20.10	2.80	22.90								24.1	92211
20.00										*24.0*	
24.80	1.50	26.30								29.8	91513
24.00										*28.8*	
11.10	7.70	18.80						4.84	0.48	23.2	91514
10.00								*5.00*		*21.0*	
8.50	6.35	14.85				0.84	1.02	3.15		22.4	91515
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
9.80	9.50	19.30				0.83	1.01	1.57		23.7	91516
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
8.20	4.10	12.30			1.32	1.62	1.97	2.23		23.1	91517
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
13.25	3.00	16.25			1.33	1.61	1.95	2.02		29.9	91518
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
20.50	1.25	21.75				2.67	3.24	4.08		46.8	91520
18.00	*2.00*	*20.00*				*2.47*	*3.00*	*3.00*		*41.3*	
8.35	5.55	13.90			1.38	1.81	2.20	0.68	4.22	29.1	91521
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*4.00*	*25.4*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Rasin-Monumental Co., Sub. of	**Va-Car. Chem. Corp., Cinci., O.—Con.**
92212	Rasin's Burley Tobacco Grower (Potash from Sulfate)	M. G. Parman, London
		Guaranteed
	Read Phosphate Co.,	**Nashville, Tenn.**
91908	Premium Grain Grower	J. H. Jasper, W. Somerset
92356		J. H. Jasper, W. Somerset
		Guaranteed
91068	Red Diamond Special	Manufacturer
		Guaranteed
91069	Blood and Bone No. 1	Manufacturer
		Guaranteed
91070	Kentucky Tobacco Grower	Manufacturer
		Guaranteed
91909	Corn, Wheat and Oat Grower	J. H. Jasper, W. Somerset
92357		J. H. Jasper, W. Somerset
		Guaranteed
91910	Farmers' Special Manure	J. H. Jasper, W. Somerset
91911		J. S. Hamblin & Son, Auburn
92358		J. H. Jasper, W. Somerset
		Guaranteed
92213	Standard Tobacco Grower	W. I. Smith, Sebree
92214		J. W. Spurrier & Sons, Whitesville
		Guaranteed
91074	Red Diamond Standard	Manufacturer
		Guaranteed
91075	Premium Tobacco Grower	Manufacturer
		Guaranteed
92215	High Grade Tobacco Grower	J. W. Spurrier & Sons, Whitesville
92216		A. H. Dawson, Owingsville
		Guaranteed
91077	Old Kentucky Tobacco Special	Manufacturer
		Guaranteed
92359	Red Diamond 20% Acid Phosphate	Robt. and James McCormick, Moreland
		Guaranteed
91914	†High Grade Potash Mixture	J. S. Hamblin & Son, Auburn
91915		J. H. Jasper, W. Somerset
		Guaranteed
91916	Red Diamond Acid Phosphate	Hollingsworth-Young Hdw. Co., Bowling Green
91917		J. H. Jasper, W. Somerset
91918		Barren Co. Grocery & Hdw. Co., Glasgow
92361		J. H. Jasper, W. Somerset
92427		Hollingsworth-Young Hdw. Co., Bowling Green
		Guaranteed
91082	Premium Acid Phosphate	Manufacturer
		Guaranteed
91919	Pure Raw Bone Meal	J. H. Jasper, W. Somerset
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
9.30	5.20	14.50			2.30	2.58	3.13		5.66	34.8	92212
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
12.10	5.20	17.30			1.27	1.64	1.99	1.98		29.2	91908
12.50	1.90	14.40			1.06	1.45	1.76	2.10		27.8	92356
12.00	*3.00*	*15.00*				*1.65*	*2.00*	*2.00*		*28.2*	
13.20	3.60	16.80			2.35	2.97	3.61	3.38		37.2	91068
10.00	*3.00*	*13.00*				*2.47*	*3.00*	*3.00*		*29.7*	
12.95	5.95	18.80			1.34	1.71	2.08	2.13		31.2	91069
10.00	*3.00*	*13.00*				*1.65*	*2.00*	*2.00*		*25.2*	
13.65	8.85	22.50			0.70	0.91	1.10	1.16		29.1	91070
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
11.45	7.85	19.30			1.29	1.29	1.57	1.18		26.9	91909
11.30	7.20	18.50			0.57	0.88	1.07	1.19		24.8	92357
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
10.70	5.90	16.60			0.82	0.82	1.00	3.48		25.9	91910
10.55	7.00	17.55			0.85	0.85	1.03	3.44		26.2	91911
10.40	7.00	17.40			0.60	0.83	1.01	2.57		24.8	92358
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	
9.00	5.00	14.00			1.00	1.70	2.06	2.23		25.0	92213
8.65	4.35	13.00			1.01	1.88	2.28	2.21		24.9	92214
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*2.00*	*23.2*	
11.40	8.35	19.75			1.10	1.79	2.17	2.86		31.0	91074
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
11.65	6.35	18.00			1.06	1.64	1.99	6.24		34.1	91075
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*5.00*		*26.2*	
8.90	3.10	12.00			1.04	1.91	2.32	3.52	0.73	27.6	92215
8.80	3.70	12.50			1.04	1.78	2.16	3.48	0.92	27.4	92216
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*4.00*	*26.2*	
11.0	7.20	18.20			1.58	2.45	2.97	0.76	6.15	39.3	91077
8.00	*4.00*	*12.00*				*2.47*	*3.00*		*6.00*	*32.5*	
20.80	3.00	23.80								25.0	92359
20.00										*24.0*	
10.30	8.80	19.10						4.30		20.6	91914
10.00	9.20	19.20						4.18		20.0	91915
10.00								*4.00*		*19.8*	
17.20	2.70	19.90								20.6	91916
16.65	2.80	19.45								20.0	91917
16.60	2.70	19.30								19.9	91918
16.25	3.60	19.85								19.5	92361
17.65	2.60	20.25								21.2	92427
16.00										*19.2*	
20.20	1.70	21.90								24.2	91082
18.00										*21.6*	
		22.00	44	56		3.75	4.55			37.0	91919
		22.00				*3.71*	*4.50*			*36.8*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Read Phosphate Co.,	**Nashville, Tenn.—Con.**
92428	Bone Meal and Phosphate	Hollingsworth-Young Hdw. Co., Bowling Green
		Guaranteed
92218	Nitrate of Soda	Marion Milling Co., Marion
		Guaranteed
91086	Muriate of Potash	Manufacturer
		Guaranteed
91087	Sulfate of Potash	Manufacturer
		Guaranteed
91089	Red Diamond Superior	Manufacturer
		Guaranteed
91634	Half and Half	Manufacturer
		Guaranteed
92284	Red Diamond Steam Bone Meal	Manufacturer
		Guaranteed
	Smith Agricultural Chemical Co.,	**Columbus, O.**
91449	Smith's Sacco 2-12-2	Manufacturer
		Guaranteed
91450	Smith's Sacco 2-12-6	Manufacturer
		Guaranteed
91451	Smith's Sacco 2-16-2	Manufacturer
		Guaranteed
91452	Smith's Sacco 2-8-10	Manufacturer
		Guaranteed
91453	Smith's Sacco 10-10	Manufacturer
		Guaranteed
91455	Smith's Sacco 12-12	Manufacturer
		Guaranteed
91457	Smith's Sacco 12-6	Manufacturer
		Guaranteed
91458	Smith's Sacco 16%	Manufacturer
		Guaranteed
91459	Smith's Sacco 20%	Manufacturer
		Guaranteed
91460	Smith's Sacco 8-24	Manufacturer
		Guaranteed
92219	Smith's Sacco 1-8-4	Stagg Bros., Vanceburg
		Guaranteed
91462	Smith's Sacco 16% with Tankage Filler	Manufacturer
		Guaranteed
91463	Smith's Sacco 2-8-16	Manufacturer
		Guaranteed
91640	Smith's Sacco Plant Food 4-12-4	Manufacturer
		Guaranteed
	Southern Fertilizer Co., Inc.,	**Louisville, Ky.**
91541	Elk General Crop Grower	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		22.40	63	37		3.76	4.56			37.4	92428
		20.00				*1.85*	*2.25*			*27.4*	
						15.56	18.88			62.2	92218
						14.83	*18.00*			*59.3*	
								48.80		58.6	91086
								50.00		*60.0*	
								2.12	46.88	72.9	91087
									50.00	*75.0*	
15.95	0.75	16.70			3.79	3.79	4.60	6.27		46.9	91089
15.00	*1.00*	*16.00*				*4.12*	*5.00*	*5.00*		*45.4*	
9.70	11.80	21.50				1.96	2.38			27.1	91634
8.00	*12.00*	*20.00*				*1.85*	*2.25*			*24.2*	
		33.20	77	23		0.76	0.92			36.2	92284
		32.00				*0.82*	*1.00*			*35.3*	
12.00	1.50	13.50			1.29	1.61	1.95	1.08	0.99	28.0	91449
12.00	*0.26*	*12.26*				*1.65*	*2.00*	*2.00*		*27.1*	
11.90	0.75	12.65			1.29	1.60	1.94	5.12	0.85	32.0	91450
12.00	*0.26*	*12.26*				*1.65*	*2.00*	*6.00*		*31.9*	
15.75	1.30	17.05			1.22	1.60	1.94	1.24	0.69	33.1	91451
16.00	*0.35*	*16.35*				*1.65*	*2.00*	*2.00*		*33.1*	
8.00	0.50	8.50			1.33	1.60	1.94	9.97		30.6	91452
8.00	*0.18*	*8.18*				*1.65*	*2.00*	*10.00*		*30.7*	
10.20	1.00	11.20						11.17		28.7	91453
10.00								*10.00*		*27.0*	
12.00	0.90	12.90						12.02		32.4	91455
12.00								*12.00*		*32.4*	
11.25	1.10	12.35						8.54		27.1	91457
12.00								*6.00*		*25.2*	
17.25	1.60	18.85								20.7	91458
16.00										*19.2*	
21.20	0.60	21.80								25.4	91459
20.00										*24.0*	
7.85	0.65	8.50						24.2		40.8	91460
8.00								*24.0*		*40.8*	
8.00	0.90	8.90			0.56	0.84	1.02	3.40	0.51	20.6	92219
8.00	*0.18*	*8.18*				*0.82*	*1.00*	*4.00*		*20.2*	
16.20	1.00	17.20								19.4	91462
16.00										*19.2*	
8.05	2.00	10.05			1.15	1.43	1.74	17.64		39.8	91463
8.00	*0.18*	*8.18*				*1.65*	*2.00*	*16 00*		*37.9*	
11.95	1.25	13.20			2.92	3.35	4.07	3.94		36.6	91640
12.00	*0.21*	*12.21*				*3.29*	*4.00*	*4.00*		*36.0*	
11.10	1.25	12.35			1.10	1.10	1.34	1.29		23.1	91541
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*1.00*		*19.9*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Southern Fertilizer Co., Inc.,	**Louisville, Ky.—Con.**
91542	Elk Standard Guano	Manufacturer
		Guaranteed
91543	Elk Special Tobacco Grower	Manufacturer
		Guaranteed
92220	Elk Tobacco Grower	Conrad, Payne & Co., Cloverport
		Guaranteed
91545	Elk Superior Phosphate	Manufacturer
		Guaranteed
92221	Atlas Phosphate	Conrad, Payne & Co., Cloverport
		Guaranteed
91547	Elk Bone Meal	Manufacturer
		Guaranteed
91548	Elk Raw Bone	Manufacturer
		Guaranteed
	Swift & Co., (Fert. Works),	**National Stock Yards, Ill.**
91525	Swift's Red Steer 1-12-1	Manufacturer
		Guaranteed
91920	Swift's Red Steer 3-12-4	J. F. Collings, Shepherdsville
		Guaranteed
91527	Swift's Red Steer 3-8-6	Manufacturer
		Guaranteed
91921	Swift's Red Steer 2-12-2	Yopp Seed Co., Paducah
92222		Ratliff Bros., Carlisle
92223		Byrley Supply Co., Pineville
92363		F. M. Stephen, Karlos
		Guaranteed
91922	Swift's Red Steer 2-16-2	G. M. Hedrick, Monticello
92224		Lander Hdw. Co., Elizabethtown
		Guaranteed
91924	†Swift's Red Steer 3-8-6 Tobacco Grower	Yopp Seed Co., Paducah
92226		Lander Hdw. Co., Elizabethtown
		Guaranteed
91531	Swift's Red Steer 4-12	Manufacturer
		Guaranteed
91532	Swift's Red Steer 2-12	Manufacturer
		Guaranteed
91533	Swift's Red Steer 12-4	Manufacturer
		Guaranteed
91534	Swift's Red Steer 14-4	Manufacturer
		Guaranteed
91925	Swift's Red Steer 20% Acid Phos. Fertilizer	Shouse & Kercheval, Salt Lick
		Guaranteed
91926	Swift's Red Steer 16% Acid Phos. Fertilizer	G. M. Hedrick, Monticello
91927		F. M. Mitchell, Scottsville
92429		Forbes Mfg. Co., Hopkinsville
92465		John B. Marriott, Cecilia
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.20	2.85	11.05			2.00	2.00	2.43	2.64		24.6	91542
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
11.60	2.20	13.80			0.78	1.07	1.30		1.03	24.1	91543
10.00	*1.00*	*11.00*				*0.82*	*1.00*		*1.00*	*20.2*	
8.45	0.50	8.95			1.53	2.32	2.80	0.88	4.65	30.2	92220
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
22.60	0.20	22.80								27.1	91545
20.00										*24.0*	
16.70	0.70	17.40								20.0	92221
16.00										*19.2*	
		26.30	81	19		3.13	3.80			38.8	91547
		24.00				*2.47*	*3.00*			*33.9*	
		24.35	100			3.83	4.65			39.7	91548
		22.00				*3.71*	*4.50*			*36.8*	
11.40	1.45	12.85			0.49	0.83	1.01	1.41		22.7	91525
12.00	*0.50*	*12.50*				*0.82*	*1.00*	*1.00*		*22.7*	
11.95	0.70	12.65			1.87	2.38	2.89	3.89		32.4	91920
12.00	*0.50*	*12.50*				*2.47*	*3.00*	*4.00*		*32.9*	
7.85	0.45	8.30			1.81	2.40	2.91	6.21		29.0	91527
8.00	*0.50*	*8.50*				*2.47*	*3.00*	*6.00*		*29.3*	
13.00	0.70	13.70			1.13	1.70	2.06	2.12		29.1	91921
12.65	0.35	13.00			1.16	1.71	2.08	2.12		28.5	92222
12.80	0.70	13.50			1.14	1.65	2.00	2.10		28.6	92223
12.60	0.50	13.10			1.41	1.70	2.06	2.28		28.6	92363
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*2.00*		*27.2*	
16.25	0.75	17.00			1.54	1.54	1.87	2.13		33.4	91922
16.55	0.70	17.25			1.62	1.62	1.97	2.08		34.1	92224
16.00	*0.50*	*16.50*				*1.65*	*2.00*	*2.00*		*33.2*	
8.40	0.30	8.70			1.82	2.40	2.91		5.89	31 2	91924
8.55	0.25	8.80			1.86	2.46	2.93	0.76	5.31	31.7	92226
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
11.95	0.50	12.45			2.86	3.34	4.05			31.5	91531
12.00	*0.50*	*12.50*				*3.29*	*4.00*			*31.4*	
12.15	0.30	12.45			1.20	1.69	2.05			25.1	91532
12.00	*0.50*	*12.50*				*1.65*	*2.00*			*24.8*	
12.10	0.50	12.60						4.38		23.4	91533
12.00								*4.00*		*22.8*	
13.90	0.60	14.50						4.20		25.9	91534
14.00								*4.00*		*25.8*	
20.50	0.60	21.10								24.6	91925
20.00										*24.0*	
16.05	0.90	16.95								19.3	91926
16.00	0.90	16.90								19.2	91927
16.95	0.25	17.20								20.3	92429
16.80	1.00	17.80								20.2	92465
16.00										*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift & Co., (Fert. Works),	**National Stock Yards, Ill.—Con.**
91928	Swift's 1¼-29 Bone Meal Fertilizer	
		Yopp Seed Co., Paducah
92473		Yopp Seed Co., Paducah
		Guaranteed
91538	Swift's Raw Bone Meal Fertilizer	Manufacturer
		Guaranteed
91929	Swift's Vigoro	John P. Marriott, Cecilia
92228		Byrley Supply Co., Pineville
		Guaranteed
92430	Swift's Red Steer 4-16-4	Forbes Mfg. Co., Hopkinsville
		Guaranteed
91923	Swift's Red Steer 2-12-6	F. M. Mitchell, Scottsville
		Guaranteed
92466	Red Steer Bone Meal Fertilizer	Manufacturer
		Guaranteed
	Tennessee Chem. Co., (Armour	**owned), Cinci., Nashville, Jeffersonville**
91320	Ox Burley Tobacco Grower	Manufacturer
		Guaranteed
91321	Ox Plant Bed Special	Manufacturer
		Guaranteed
91322	Ox Dark Tobacco Grower	Manufacturer
		Guaranteed
91323	Ox Potato Grower	Manufacturer
		Guaranteed
92364	†Ox 4-16-4 Fertilizer	H. D. Jones, Glasgow
92432		W. F. Grainger, Franklin
		Guaranteed
92433	Ox 2-16-8 Fertilizer	W. F. Grainger, Franklin
		Guaranteed
91326	Ox 3-18-3 Fertilizer	Manufacturer
		Guaranteed
91327	Ox 2-16-2 Fertilizer	Manufacturer
		Guaranteed
91328	Ox 2-12-6 Fertilizer	Manufacturer
		Guaranteed
91329	Ox 2-12-2 Fertilizer	Manufacturer
		Guaranteed
92230	Ox 2-10-4 Fertilizer	J. M. Dawson, Philpot
		Guaranteed
91331	Ox 1-12-1 Fertilizer	Manufacturer
		Guaranteed
91332	Ox 2-8-2 Fertilizer	Manufacturer
		Guaranteed
91333	Ox 2-12-0 Fertilizer	Manufacturer
		Guaranteed
91334	Ox 1-8-4 Fertilizer	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
		32.30	80	20		1.39	1.69			37.9	91928
		30.60	100			1.86	2.26			38.0	92473
		29.00				*1.03*	*1.25*			*33.1*	
		23.30	86	14		4.30	5.22			40.5	91538
		23.00				*3.71*	*4.50*			*37.8*	
12.40	0.85	13.25			3.05	3.36	4.08	4.32		37.6	91929
12.70	0.30	13.00			2.99	3.45	4.19	4.28		38.1	92228
12.00	*0.50*	*12.50*				*3.29*	*4.00*	*4.00*		*36.2*	
15.70	1.00	16.70			3.10	3.10	3.76	4.07		41.2	92430
16.00	*0.50*	*16.50*				*3.29*	*4.00*	*4.00*		*42.2*	
12.10	0.45	12.55			1.75	1.75	2.12	5.69		32.2	91923
12.00	*0.50*	*12.50*				*1.65*	*2.00*	*6.00*		*32.0*	
		25.75	64	36		3.00	3.64			37.8	92466
		23.00				*2.47*	*3.00*			*32.9*	
9.35	3.25	12 60			1.91	2.41	2.93	0.80	6.63	35.9	91320
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.00	3.05	11.05			2.70	3.53	4.29		3.40	32.4	91321
8.00	*1.00*	*9.00*				*3.29*	*4.00*		*3.00*	*30.1*	
8.80	3.70	12.50			1.35	1.73	2.10	0.68	4.16	28.7	91322
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
9.35	3.25	12.60			1.91	2.41	2.93	0.80	6.63	35.9	91323
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
16.10	0.80	16.90			2.94	3.21	3.90	4.32		42.5	92364
15.80	2.10	17.90			3.21	3.21	3.90	5.06		43.5	92432
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
16.20	1.90	18.10			1.45	1.45	1.76	8.25		40.8	92433
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*8.00*		*40.6*	
19.00	0.95	19.95			2.76	2.76	3.35	3.43		44.0	91326
18.00	*1.00*	*19.00*				*2.47*	*3.00*	*3.00*		*40.9*	
16.90	1.60	18.50			1.87	1.87	2.27	2.56		36.5	91327
16.00	*1.00*	*17.00*				*1.65*	*2.00*	*2.00*		*33.4*	
11.95	1.10	13.05			1.50	1.81	2.20	6.19		33.0	91328
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*6.00*		*32.2*	
12.05	0.85	12.90			1.76	1.76	2.14	2.29		28.2	91329
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.80	3.60	14.40			1.04	1.54	1.87	3.99		28.6	92230
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
13.00	1.75	14.75			1.21	1.21	1.47	1.46		26.8	91331
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
8.40	3.00	11.40			1.98	1.98	2.40	2.69		25.0	91332
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
13.80	2.15	15.95			2.08	2.08	2.53			29.9	91333
12.00	*1.00*	*13.00*				*1.65*	*2.00*			*25.0*	
8.40	2.10	10.50			0.90	0.90	1.09	4.60		22.6	91334
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tenn. Chem. Co., (Armour owned), Cinci., Nashville, Jeffersonville—Con.	
92231	Ox Raw Bone	S. B. Jones, Pembroke
		Guaranteed
91930	Ox 16% Phosphate	R. E. Moore Hdw. Co., Madisonville
91931		H. D. Jones, Glasgow
92434		W. F. Grainger, Franklin
92435		S. B. Jones, Pembroke
		Guaranteed
91932	Ox 20% Superphosphate	W. F. Grainger, Franklin
		Guaranteed
92436	†Ox 0-12-4 Fertilizer	W. F. Grainger, Franklin
92437		S. B. Jones, Pembroke
		Guaranteed
91340	Ox 4-16-4 Guano	Manufacturer
		Guaranteed
92234	Ox Tobacco Grower 2-8-4	J. J. Shaver & Co., Mayfield
		Guaranteed
91934	Ox H. Gr. Tobacco Grower 2-10-10	R. E. Moore Hdw. Co., Madisonville
		Guaranteed
91344	Ox 2-12-2 Guano	Manufacturer
		Guaranteed
91345	Ox 2-10-4 Guano	Manufacturer
		Guaranteed
91346	Ox 0-12-4 Guano	Manufacturer
		Guaranteed
91347	Ox 1-12-1 Guano	Manufacturer
		Guaranteed
91935	†Ox Farmers' Pride	R. E. Moore Hdw. Co., Madisonville
		Guaranteed
91937	Ox Old Black Joe	Young Hdw. Co., Hopkinsville
		Guaranteed
91439	Ox 2-8-2 Guano	Manufacturer
		Guaranteed
91706	Ox 0-10-4 Guano	Manufacturer
		Guaranteed
91747	Ox 1-10-3	Manufacturer
		Guaranteed
92439	†Ox 0-16-8 Guano	W. F. Grainger, Franklin
		Guaranteed
	Tennessee Coal, Iron & R. R. Co., Birmingham, Ala.	
91939	16% Duplex Basic Phosphate	Farmers' Union Supply Co., Glasgow
92235		Morganfield Hdw. & Gr. Co., Morganfield
92366		Farm Bureau Supply Co., Elizabethtown
92474		Yopp Seed Co., Paducah
		Guaranteed
	Tennessee Copper & Chem. Corp., Lockland, O.	
92236	16% Acid Phosphate	Farmers Supply Co., Richmond
92367		Farmers Supply Co., Richmond
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
		24.30	100			3.75	4.55			39.4	92231
		22.00				*3.71*	*4.50*			*36.8*	
16.40	2.70	19.10								19.7	91930
15.90	1.00	16.90								19.1	91931
16.00	3.30	19.30								19.2	92434
16.85	3.40	20.25								20.2	92435
16.00										*19.2*	
19.95	1.05	21.00								23.9	91932
20.00										*24.0*	
12.00	7.05	19.05						3.73		22.5	92436
15.50	3.70	19.20						4.05		28.1	92437
12.00								*4.00*		*22.8*	
16.70	0.75	17.45			3.22	3.22	3.91	4.60		43.8	91340
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
9.25	5.35	14.60			1.71	1.71	2.08		4.35	29.4	92234
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
9.60	2.75	12.35			1.58	2.01	2.44	1.16	8.17	37.2	91934
10.00	*1.00*	*11.00*				*1.65*	*2.00*		*10.00*	*37.0*	
12.05	0.85	12.90			1.76	1.76	2.14	2.29		28.2	91344
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
10.50	2.60	13.10			1.72	1.72	2.09	4.33		28.9	91345
10.00	*1.00*	*11.00*				*1.65*	*2.00*	*4.00*		*26.8*	
12.00	1.10	13.10						4.53		23.4	91346
12.00								*4.00*		*22.8*	
13.00	1.75	14.75			1.21	1.21	1.47	1.46		26.8	91347
12.00	*1.00*	*13.00*				*0.82*	*1.00*	*1.00*		*22.9*	
10.45	6.75	17.20			1.90	2.47	3.00	0.52	2.26	32.3	91935
10.00	*1.00*	*11.00*				*2.47*	*3.00*		*3.00*	*29.8*	
8.20	9.70	17.90			1.07	1.68	2.04	1.76	2.63	29.0	91937
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
8.40	3.00	11.40			1.98	1.98	2.40	2.69		25.0	91439
8.00	*1.00*	*9.00*				*1.65*	*2.00*	*2.00*		*21.4*	
9.90	4.75	14.65						4.64		20.4	91706
10.00								*4.00*		*19.8*	
10.05	6.70	16.75			1.02	1.02	1.24	3.32		25.8	91747
10.00	*1.00*	*11.00*				*0.82*	*1.00*	*3.00*		*22.3*	
16.00	1.70	17.70						8.11		33.7	92439
16.00								*8.00*		*33.6*	
		16.10								19.3	91939
		15.90								19.1	92235
		16.10								19.3	92366
		16.55								19.9	92474
		16.00								*19.2*	
16.60	1.50	18.10								19.9	92236
17.55	0.65	18.20								21.1	92367
16.00										*19.2*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Tennessee Copper & Chem. Corp.,	**Lockland, O.—Con.**
91696	4-12-0	Manufacturer
		Guaranteed
92237	3-8-6	Farmers Supply Co., Richmond
		Guaranteed
92238	20%	Farmers Supply Co., Richmond
		Guaranteed
91699	3-12-4	Manufacturer
		Guaranteed
90709	2-8-2	Manufacturer
		Guaranteed
90710	2-12-2	Manufacturer
		Guaranteed
	Victor Guano Co.,	**Nashville, Tenn.**
91106	High Grade Guano	Manufacturer
		Guaranteed
91107	Kentucky Home Guano	Manufacturer
		Guaranteed
91108	Victor Favorite	Manufacturer
		Guaranteed
91109	Standard Tobacco Grower	Manufacturer
		Guaranteed
91110	Victor Standard	Manufacturer
		Guaranteed
91111	High Grade Tobacco Grower	Manufacturer
		Guaranteed
91112	H. Gr. Tobacco and Truck Special..	Manufacturer
		Guaranteed
91113	Victor Acid Phosphate	Manufacturer
		Guaranteed
91114	Premium Acid Phosphate	Manufacturer
		Guaranteed
91115	20% Acid Phosphate	Manufacturer
		Guaranteed
91116	High Grade Potash Mixture	Manufacturer
		Guaranteed
91118	Bone Meal and Phosphate	Manufacturer
		Guaranteed
91636	Half and Half	Manufacturer
		Guaranteed
	Virginia-Carolina Chemical Corp.,	**Inc., Nashville, Cincinnati, Memphis**
91940	Mt. Pleasant 16% Acid Phosphate..	H. D. Jones, Glasgow
91941		Stewart's Cash Grocery, Horse Cave
91942		Hatter Hardware Co., Franklin
		Guaranteed
91218	Mt. Pleasant 18% Acid Phosphate..	Manufacturer
		Guaranteed
92440	Mt. Pleasant 20% Acid Phosphate..	Hatter Hardware Co., Franklin
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
12.85	0.85	13.70			3.51	3.51	4.26			33.7	91696
12.00	*0.20*	*12.20*				*3.29*	*4.00*			*31.2*	
8.20	1.10	9.30			2.23	2.23	2.71	6.86		29.9	92237
8.00	*0.20*	*8.20*				*2.47*	*3.00*	*6.00*		*29.2*	
20.95	0.80	21.75								25.1	92238
20.00										*24.0*	
12.35	2.35	14.70			2.26	2.26	2.74	3.96		33.3	91699
12.00	*0.20*	*12.20*				*2.47*	*3.00*	*4.00*		*32.8*	
8.05	0.95	9.00			1.43	1.43	1.74	1.90		20.5	90709
8.00	*0.20*	*8.20*				*1.65*	*2.00*	*2.00*		*21.1*	
12.20	2.50	14.70			1.59	1.59	1.93	2.05		28.1	90710
12.00	*0.20*	*12.20*				*1.65*	*2.00*	*2.00*		*27.1*	
12.95	5.95	18.80			1.34	1.71	2.08	2.13		31.2	91106
10.00	*3.00*	*13.00*				*1.65*	*2.00*	*2.00*		*25.2*	
13.65	8.85	22.50			0.70	0.91	1.10	1.16		29.1	91107
10.00	*5.00*	*15.00*				*0.82*	*1.00*	*1.00*		*21.5*	
13.65	7.75	21.40			0.69	0.90	1.09	3.52		31.4	91108
10.00	*4.00*	*14.00*				*0.82*	*1.00*	*3.00*		*23.5*	
11.20	8.00	19.20			1.06	1.84	2.23	0.80	1.71	30.9	91109
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*2.00*	*23.2*	
11.40	8.35	19.75			1.10	1.79	2.17	2.86		31.0	91110
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
10.95	6.85	17.80			0.95	1.72	2.09	0.92	4.98	34.6	91111
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*4.00*	*26.2*	
10.60	4.50	15.10			1.02	1.76	2.14	1.20	7.24	37.0	91112
8.00	*4.00*	*12.00*				*1.65*	*2.00*		*8.00*	*32.2*	
17.15	3.50	20.65								20.6	91113
16.00										*19.2*	
20.20	1.70	21.90								24.2	91114
18.00										*21.6*	
21.75	0.85	22.60								26.1	91115
20.00										*24.0*	
14.95	8.30	23.25						4.69		28.1	91116
10.00								*4.00*		*19.8*	
		21.00	67	33		1.73	2.10			27.9	91118
		20.00				*1 85*	*2.25*			*27.4*	
9.70	11.80	21.50				1.96	2.38			27.1	91636
8.00	*12.00*	*20.00*				*1.85*	*2.25*			*24.2*	
17.00	2.95	19.95								20.4	91940
17.45	3.85	21.30								20.9	91941
17.80	2.30	20.10								21.4	91942
16.00										*19.2*	
19.05	0.45	19.50								22.9	91218
18.00										*21.6*	
20.70	1.10	21.80								24.8	92440
20.00										*24.0*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Nashville, Cincinnati, Memphis—Con.	
91943	Mt. Pleasant Tobacco and Truck Grower	A. W. Tarter, Columbia
92239		L. G. Crutchfield, Pembroke
		Guaranteed
92240	Black Patch Tobacco Grower	Dairyman's Feed Supply Co., Mayfield
		Guaranteed
91223	Mt. Pleasant Corn and Tobacco Grower	Manufacturer
		Guaranteed
91224	Black Patch Universal	Manufacturer
		Guaranteed
91225	Mt. Pleasant Corn Special	Manufacturer
		Guaranteed
92441	Grigsby's Special	Grigsby & Co., Bardstown
		Guaranteed
92442	Steamed Bone Meal	Hatter Hardware Co., Franklin
		Guaranteed
92443	V-C Phospho Tobacco 16%	Barnett Bros., London
		Guaranteed
91490	V-C Potash Phospho Tobacco 14-4	Manufacturer
		Guaranteed
92368	V-C Ammoniated Phospho Tobacco 2-12-2	W. C. Daffron, Monticello
		Guaranteed
91944	V-C 16% Acid Phosphate	Geo. Richardson, Somerset
91945		Burnett Lancaster, Vine Grove
91946		A. W. Tarter, Columbia
91947		E. T. Ford, Cave City
92369		Farmers Union Supply Co., Glasgow
		Guaranteed
91948	V-C 20% Acid Phosphate	A. W. Tarter, Columbia
92241		S. A. Browning, Vanceburg
92444		C. A. Casteel, E. Bernstadt
		Guaranteed
91949	V-C 24% Acid Phosphate	Horton & Shearer, Bethesda
		Guaranteed
91950	V-C Capitol Phosphate and Potash 10-5	Tarter & Burton, W. Somerset
91951		A. W. Tarter, Columbia
		Guaranteed
91496	V-C Plow Brand 10-10	Manufacturer
		Guaranteed
91497	V-C Prolific Crop Grower 14-4	Manufacturer
		Guaranteed
92370	V-C Farmers' Friend 1-8-3	H. A. Spradlin, Monticello
		Guaranteed
91952	V-C Champion Corn & Wheat 1-10-1	H. A. Spradlin, Monticello
91953		Tarter & Burton, W. Somerset
92371		Farmers Union Supply Co., Glasgow
92445		C. A. Casteel, E. Bernstadt
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.60	3.95	12.55			1.82	2.51	3.05	6.18		31.9	91943
9.10	4.50	13.60			1.89	2.38	2.89	7.98		34.6	92239
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.20	6.00	14.20			1.01	1.55	1.88	3.76		25.4	92240
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*4.00*		*24.2*	
8.70	8.20	16.90			1.10	1.71	2.08	2.41		26.1	91223
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
13.50	5.30	18.80			1.44	1.88	2.28			29.9	91224
12.00	*2.00*	*14.00*				*1.65*	*2.00*			*25.4*	
11.15	8.45	19.60						4.17		21.7	91225
10.00								*4.00*		*19.8*	
10.00	0.65	10.65			0.80	0.80	0.97	1.47		20.2	92441
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
		23.40	76	24		3.13	3.80			35.9	92442
		22.50				*3.00*	*3.64*			*34.5*	
17.30	3.60	20.90								20.8	92443
16.00										*19.2*	
14.30	1.70	16.00						4.54		26.9	91490
14.00								*4.00*		*25.8*	
11.65	3.65	15.30			1.60	1.96	2.38	1.99		29.2	92368
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
16.00	4.65	20.65								19.2	91944
17.95	2.15	20.10								21.5	91945
17.40	2.85	20.25								20.9	91946
18.65	2.60	21.25								22.4	91947
17.90	2.60	20.50								21.5	92369
16.00										*19.2*	
19.45	3.00	22.45								23.3	91948
22.15	2.10	24.25								26.6	92241
22.20	2.80	25.00								26.6	92444
20.00										*24.0*	
24.10	2.30	26.40								28.9	91949
24.00										*28.8*	
9.90	7.10	17.00						5.46		21.4	91950
9.85	2.95	12.80						4.76		20.5	91951
10.00								*5.00*		*21.0*	
9.50	3.00	12.50						10.77		27.2	91496
10.00								*10.00*		*27.0*	
13.85	2.30	16.15						4.07		25.7	91497
14.00								*4.00*		*25.8*	
9.10	8.70	17.80			0.62	0.95	1.15	2.94		24.5	92370
8.00	*2.00*	*10.00*				*0.82*	*1.00*	*3.00*		*19.7*	
9.85	9.00	18.85			0.98	0.98	1.19	1.47		24.1	91952
10.80	8.90	19.70			0.50	0.72	0.87	1.72		24.7	91953
11.20	7.50	18.70			0.57	0.82	1.00	1.00		24.3	92371
10.95	7.30	18.25			0.62	0.88	1.07	0.84	0.62	24.8	92445
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Nashville, Cincinnati, Memphis—Con.	
91954	V-C Beef, Blood & Bone BBB 2-8-2	Farmers Supply Co., Campbellsville
91955		Tarter & Burton, W. Somerset
92372		Taylor County Sup. Co., Compbellsville
92446		Barnett Bros., London
		Guaranteed
91956	V-C Owl Brand 2-12-2	H. A. Spradlin, Monticello
92242		Clem Kendell & Son, Florence
92373		H. A. Spradlin, Monticello
		Guaranteed
91502	V-C Indian Brand 2-16-2	Manufacturer
		Guaranteed
92243	V-C Big Potato and Truck 3-12-4	C. A. Casteel, E. Bernstadt
92244		S. A. Browning, Vanceburg
		Guaranteed
91504	V-C Star Brand 3-18-3	Manufacturer
		Guaranteed
91505	V-C Good Luck 4-24-4	Manufacturer
		Guaranteed
91957	V-C Tobacco Special 2-8-4 (Potash from Sulfate)	Farmers Union Supply Co., Glasgow
92245		R. M. Bagby, Grayson
92246		Roy Clark, Berea
		Guaranteed
91958	†V-C Tobacco & Truck 3-8-6 (Potash from Sulfate)	E. T. Ford, Cave City
91960		A. W. Tarter, Columbia
92247		Clem Kendell & Son, Florence
92248		Woodford Spears & Sons, Paris
91976		Robert Combs, College Hill
91977		Robert Combs, College Hill
91978		Robert Combs, College Hill
91979		Robert Combs, College Hill
91980		Robert Combs, College Hill
91981		J. S. Congleton, College Hill
		Guaranteed
92250	V-C Tobacco Plant Food 3-11	Woodford Spears & Sons, Paris
		Guaranteed
92249	†V-C Pure Bone Meal (Steamed) 1¼-29	Moore Feed & Seed Co., Ashland
		Guaranteed
91639	V-C Truck Special 3-8-6	Manufacturer
		Guaranteed
91703	Mt. Pleasant Spring-fall Fertilizer	Manufacturer
		Guaranteed
91704	Mt. Pleasant Phosphate & Potash	Manufacturer
		Guaranteed
91705	V-C Tomato and Truck 2-12-6	Manufacturer
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
8.75	9.80	18.55			0.92	1.43	1.74	1.94		25.1	91954
9.25	7.55	16.80			1.30	1.60	1.94	2.28		26.0	91955
8.10	9.70	17.80			0.93	1.53	1.86	2.07		24.6	92372
10.75	6.45	17.20			1.17	1.49	1.81	2.00		27.1	92446
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	
12.80	2.70	15.50			1.42	1.67	2.03	2.24		29.7	91956
12.55	3.05	15.60			1.46	1.73	2.10	2.06		29.4	92242
12.55	2.35	14.90			1.69	1.69	2.05	1.93		28.9	92373
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
17.20	1.70	18.90			1.38	1.60	1.94	2.45		35.8	91502
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
12.55	4.10	16.65			2.33	2.58	3.13	2.52	1.69	36.4	92243
13.30	0.80	14.10			2.28	2.50	3.04	4.44		35.6	92244
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
20.50	1.25	21.75				2.67	3.24	4.08		46.8	91504
18.00	*2.00*	*20.00*				*2.47*	*3.00*	*3.00*		*41.3*	
24.55	0.90	25.45				3.23	3.92	4.33		55.3	91505
24.00	*4.00*	*28.00*				*3.29*	*4.00*	*4.00*		*55.6*	
8.40	10.80	19.20			1.18	1.60	1.94	0.56	3.31	29.0	91957
10.10	6.40	16.50			1.69	1.95	2.37	0.60	3.39	31.3	92245
9.50	8.50	18.00			1.54	1.75	2.12	0.56	3.16	30.1	92246
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*4.00*	*25.4*	
9.65	6.65	16.30			2.02	2.47	3.00	0.64	5.21	35.6	91958
8.40	7.05	15.45			1.98	2.53	3.07	1.40	4.48	33.9	91960
9.30	5.30	14.60			2.36	2.63	3.19		6.11	33.9	92247
8.95	5.70	14.65			2.38	2.66	3.23	0.84	5.65	35.8	92248
9.10	5.50	14.60			2.24	2.52	3.06	0.64	5.16	35.4	91976
8.95	5.70	14.65			2.40	2.64	3.20	0.56	5.24	34.8	91977
9.50	5.40	14.90			2.28	2.52	3.06	0.52	5.40	35.2	91978
9.55	5.40	14.95			2.20	2.48	3.01	0.64	4.75	34.3	91979
9.90	4.90	14.80			2.07	2.35	2.85	0.92	6.71	37.4	91980
9.50	5.00	14.50			2.24	2.57	3.12	0.60	4.96	34.7	91981
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
14.20	4.10	18.30			2.30	2.30	2.79			32.1	92250
11.00	*2.00*	*13.00*				*2.47*	*3.00*			*27.2*	
		29.50	81	19		1.62	1.97			36.0	92249
		29.00				*1.03*	*1.25*			*33.1*	
11.05	0.55	11.60			2.79	2.79	3.39	6.50		35.8	91639
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
12.40	1.50	13.90			1.38	1.81	2.20	2.59		29.6	91703
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*2.00*		*27.8*	
9.90	9.35	19.25						5.79		21.8	91704
10.00								*5.00*		*21.0*	
13.95	0.65	14.60			2.25	2.25	2.73	7.82		39.6	91705
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	

TABLE I.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Virginia-Carolina Chem. Corp., Inc., Nashville, Cincinnati, Memphis—Con.	
91711	V-C Fairway Fertilizer	Manufacturer
		Guaranteed
92374	V-C Pure Bone Meal (Steamed) 1-27½	H. A. Spradlin, Monticello
		Guaranteed

TABLE I.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
6.15	1.60	7.75			4.98	6.55	7.95	5.78		43.0	91711
6.00	*2.00*	*8.00*				*6.58*	*8.00*	*5.00*		*42.1*	
		31.90	75	25		0.67	0.81			34.6	92374
		27.50				*0.82*	*1.00*			*30.8*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Alabama Chemical Co., (of Ala.),	**Montgomery, Ala.**
91702	Red Cross Tobacco Formula	Manufacturer
		Guaranteed
	America Ag. Chem. Co., Inc.,	**Cincinnati, O.**
91750	†A. A. Ky. Tobacco Grower	W. D. Harris, Franklin
		Guaranteed
92294	†Michigan Carbon Homestead Bone Black Fertilizer	Lebanon Carriage & Impl. Co., Lebanon..
92380		R. A. Mayhew Feed Co., Franklin
		Guaranteed
92476	†Michigan Carbon Homestead Potato and Tobacco Special	Denton Hardware Co., Madisonville
		Guaranteed
91775	†Horseshoe Tobacco Grower	J. H. Jasper, W. Somerset
		Guaranteed
	Armour Fertilizer Works,	**Cincinnati, Nashville, Jeffersonville**
91788	Big Crop Bone Meal	J. W. Schoolcraft, Somerset
92384		Forbes Mfg. Co., Hopkinsville
92385		R. E. Wilson, Auburn
		Guaranteed
92387	†Big Crop 20% Superphosphate	Feltner & Smith, London
		Guaranteed
91793	†Big Crop Burley Tobacco Grower..	Farmers Supply Co., Campbellsville
92019		C. S. Brent Seed Co., Lexington
		Guaranteed
92022	†Big Crop Plant Bed Special	C. S. Brent Seed Co., Lexington
		Guaranteed
92027	†Big Crop 4-16-4	Humlong & Wheat, Germantown
		Guaranteed
92454	Big Crop 3-18-3	J. C. Everett, Maysville
		Guaranteed
91800	†Big Crop Old Black Joe	R. W. Wilson, Auburn
		Guaranteed
	Buhner Fertilizer Co.,	**Seymour, Ind.**
91804	Special Tobacco Grower	Van Cleve & Moore, Cave City
91805		Bradshaw & Mann, Lebanon
92033		H. C. Pickett, Greensburg
		Guaranteed
91615	H. Gr. Tobacco Grower (Sulfate)..	Manufacturer
		Guaranteed
92036	†Potato and Tobacco Grower	H. C. Pickett, Greensburg
		Guaranteed
91622	Grain Grower	Manufacturer
		Guaranteed
92037	Acid Phosphate 20%	H. C. Pickett, Greensburg
		Guaranteed
	Calumet Fertilizer Corp.,	**New Albany, Ind.**
92041	Calumet Brand 2-12-2	L. C. Goering & Son, Hawesville
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.35	0.65	9.00			2.44	2.44	2.96	6.03		29.8	91702
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.90	3.20	12.10			1.32	1.66	2.02	2.01		23.7	91750
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*2.00*		*24.8*	
7.45	1.60	9.05			1.53	1.88	2.28	1.59		21.3	92294
7.60	0.45	8.05			1.68	1.89	2.29	1.78		21.3	92380
8.00	*2.00*	*10.00*				*2.06*	*2.50*	*1.50*		*22.8*	
9.90	1.55	11.45			1.32	1.58	1.92		4.35	28.3	92476
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
8.90	1.30	10.20			1.36	1.36	1.65	1.92	2.66	25.6	91775
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
		23.70	80	20		3.47	4.21			37.6	91788
		25.50	83	17		3.25	3.95			38.5	92384
		24.75	75	25		2.47	3.00			34.6	92385
		27.00				*2.47*	*3.00*			*36.9*	
19.20	0.20	19.40								23.0	92387
20.00										*24.0*	
9.20	0.65	9.85			1.59	2.27	2.76	1.24	3.74	30.2	91793
8.50	0.70	9.20			1.46	2.22	2.70	0.84	4.51	29.7	92019
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
9.20	0.60	9.80			2.34	2.84	3.45	0.76	2.10	29.5	92022
8.00	*1.00*	*9.00*				*3.29*	*4.00*		*3.00*	*30.1*	
15.80	0.75	16.55			2.93	2.93	3.56	4.53		40.6	92027
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
18.60	1.45	20.05			2.37	2.37	2.88	2.35		40.8	92454
18.00	*1.00*	*19.00*				*2.47*	*3.00*	*3.00*		*40.9*	
8.75	9.75	18.50			1.60	1.92	2.33	0.80	2.48	29.4	91800
8.00	*1.00*	*9.00*				*1.65*	*2.00*		*4.00*	*25.0*	
14.45	2.10	16.55			2.56	3.02	3.67	3.59		38.9	91804
13.70	1.85	15.55			2.78	3.26	3.96	4.25		39.4	91805
14.30	1.70	16.00			2.69	3.16	3.84	3.61		39.1	92033
16.00						*3.29*	*4.00*	*4.00*		*42.0*	
9.10	1.85	10.95			1.47	2.13	2.59	2.24	3.85	31.4	91615
8.00						*2.47*	*3.00*		*6.00*	*30.9*	
9.20	2.00	11.20			1.84	2.63	3.19	5.10		31.2	92036
10.00						*2.47*	*3.00*	*4.00*		*29.7*	
10.05	0.65	10.70			0.48	0.75	0.91	5.02		24.4	91622
8.00						*1.65*	*2.00*	*2.00*		*21.0*	
19.00	3.10	22.10								22.8	92037
20.00										*24.0*	
11.15	2.00	13.15			1.20	1.53	1.86	2.15		26.2	92041
12.00	*4.00*	*16.00*				*1.65*	*2.00*	*2.00*		*28.6*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Calumet Fertilizer Corp.,	**New Albany, Ind.—Con.**
92042	†Calumet Brand Kentucky Tobacco Grower	Patrick Dillon, Hardinsburg
		Guaranteed
92044	Calumet Brand Potato and Tobacco Special	Barnett Bros., London
		Guaranteed
92045	†Calumet Brand Corn and Wheat Special	Patrick Dillon, Hardinsburg
92046		Harvey Stout & Sons, Fern Creek
		Guaranteed
91650	Calumet Brand Onion and Tobacco Grower	Manufacturer
		Guaranteed
	Consolidated Chemical Co.,	**Louisville, Ky.**
91214	Camel Brand Raw Bone	Manufacturer
		Guaranteed
91215	Camel Brand Steamed Bone	Manufacturer
		Guaranteed
	Duncan & Sherley,	**La Grange, Ky.**
91819	Tiger Brand A-1 Tobacco Grower	Manufacturer's Warehouse
		Guaranteed
	The Empire Guano Co.,	**Nashville, Tenn.**
91824	Ky. Tobacco & Truck Grower	Cayce-Yost Co., Hopkinsville
		Guaranteed
	Evansville Fertilizer Co.,	**Evansville, Ind.**
92057	Superb Tobacco Booster	Eldred Hardware Co., Princeton
		Guaranteed
92058	Superb High Line	Lambert, Gresham Hdw. Co., Henderson
		Guaranteed
92062	Superb Ten-Ten	Atherton, Kidd Co., Livermore
		Guaranteed
	Falls City Fertilizer Co.,	**New Albany, Ind.**
92066	Falls City Tobacco Grower	H. O. Hanbrough, Shelbyville
		Guaranteed
	Federal Chemical Co., Inc.,	**Louisville, Ky.**
92077	†Mid-West High Grade Mixture	Youtsey Bros., Alexandria
		Guaranteed
92083	†Spl. Mix. Potato & Tobacco Grower	Boone County Farm Bureau, Florence
		Guaranteed
91833	†Ky. Tobacco and Potato Grower	Hiseville Milling Co., Hiseville
		Guaranteed
92086	Best Burley Tobacco Grower	A. V. Barnett, Bagdad
		Guaranteed
92087	†Plant Bed Special	A. Bresler, Son & Co., Owensboro
		Guaranteed
92320	†20% Phosphate	W. H. Lyons, Loretto
		Guaranteed
92321	†Ky. Wheat and Corn Special	McKinnley Bros., Russell Springs
		Guaranteed
91842	Spl. Mixture Tobacco and Vegetable Grower	I. K. Miller, Campbellsville
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
8.05	1.80	9.85			1.25	1.57	1.91	8.07		28.8	92042
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*8.00*		*29.8*	
8.10	1.60	9.70			1.19	1.55	1.88	5.45		25.5	92044
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*5.00*		*26.2*	
8.65	1.55	10.20			0.98	1.32	1.60	2.12		21.4	92045
7.90	1.50	9.40			1.08	1.39	1.69	2.40		20.9	92046
8.00	*4.00*	*12.00*				*1.65*	*2.00*	*2.00*		*22.6*	
8.30	1.00	9.30				0.75	0.91	2.77		19.2	91650
8.00	*4.00*	*12.00*				*0.82*	*1.00*	*3.00*		*20.5*	
		14.55	72	28		4.45	5.40			32.4	91214
		22.00				*3.71*	*4.50*			*36.8*	
		27.25	89	11		2.10	2.55			35.7	91215
		30.00				*1.03*	*1.25*			*34.1*	
9.30	0.60	9.90			0.74	1.87	2.27	4.35		26.9	91819
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
10.70	3.30	14.00			1.49	2.40	2.91	0.88	4.57	34.9	91824
8.00	*4.00*	*12.00*				*2.47*	*3.00*		*6.00*	*32.5*	
9.90	2.80	12.70			1.29	2.31	2.80	3.10		28.9	92057
8.00						*2.47*	*3.00*	*6.00*		*29.1*	
12.25	1.40	13.65			0.88	1.26	1.53	6.17		31.4	92058
12.00						*1.65*	*2.00*	*6.00*		*31.8*	
10.20	3.60	13.80						9.16		26.3	92062
10.00								*10.00*		*27.0*	
7.40	2.20	9.60			1.51	2.17	2.63	6.08		28.0	92066
8.00	*4.00*	*12.00*				*2.47*	*3.00*	*6.00*		*30.7*	
8.80	1.90	10.70			1.21	1.71	2.08	4.33		26.0	92077
10.00	*2.00*	*12.00*				*1.65*	*2.00*	*4.00*		*27.2*	
8.95	1.10	10.05			1.34	1.85	2.25	6.57		29.2	92083
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*7.50*		*28.4*	
8.20	3.75	11.95			1.61	2.22	2.70	5.40		29.2	91833
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
8.90	0.90	9.80			1.10	1.73	2.11	1.40	4.73	29.4	92086
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*7.50*	*30.7*	
10.70	1.05	11.75			1.63	2.43	2.95	0.88	1.59	29.6	92087
10.00	*2.00*	*12.00*				*2.47*	*3.00*		*3.00*	*30.2*	
17.85	1.95	19.80								21.4	92320
20.00										*24.0*	
9.10	1.90	11.00			0.53	1.28	1.55	1.48		21.3	92321
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
8.90	1.20	10.10			0.76	1.32	1.60	0.60	4.46	26.5	91842
8.00	*2.00*	*10.00*				*1.23*	*1.50*	*6.00*		*24.9*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Federal Chemical Co., Inc.,	**Louisville, Ky.—Con.**
92322	Daybreak Favorite	Lander Hardware Co., Elizabethtown
		Guaranteed
92107	† Ky. Corn, Wheat and Oats Grower	Latliff Fruit Co., Middlesboro
		Guaranteed
	Fox Chemical Co., Br. Federal	**Chem. Co., Inc., Louisville, Ky.**
92326	Fox Formula	Clem Keltner, Campbellsville
		Guaranteed
	Globe Fert. Co., Br. Federal Chem.	**Co., Inc., Louisville, Ky.**
91851	†Progress Corn, Wheat and Tobacco Grower	E. L. Peairson, Auburn
		Guaranteed
91857	Ky. Standard Tobacco Grower	C. F. Shaw, Cave City
91858		A. L. Harmon & Son, Junction City
92113		W. H. Lyon, Loretto
		Guaranteed
92117	Globe Raw Bone	A. Bresler, Son & Co., Owensboro
		Guaranteed
	Hall Seed Co., Louisville, Ky.	
91969	Bone Meal	R. H. Lickert, LaGrange
		Guaranteed
	Hopkins Fertilizer Co., New	**Albany, Ind.**
92124	†Hopkins Old Time Potato Grower	Lewisport Mill Co., Lewisport
		Guaranteed
92127	†Hopkins Old Time Burley Grower	Irvine Feed and Grain Co., Irvine
		Guaranteed
91867	Hopkins Old Time Tomato Grower	Coffee & Van Hook, Moreland
		Guaranteed
	International Agricultural Corp.,	**Inc., Cincinnati, O.**
92139	Buffalo Tob. and Potato Grower	London Hardware Co., London
		Guaranteed
	Joslin-Schmidt Corp., (Groves	**Fert. Works), Cincinnati, O.**
92402	†Square Br. 2-12-2	Wilson, Winn & Co., Russellville
		Guaranteed
92150	†Square Br. 3-8-6	D. E. Patterson, Hodgenville
92404		R. A. Mayhew Feed Co., Franklin
		Guaranteed
92151	†Special Tobacco Fertilizer	F. H. Gordon, Richmond
		Guaranteed
92405	†Square Br. 1-8-4	Wilson, Winn & Co., Russellville
		Guaranteed
92407	†Square Br. 0-10-5	Wilson, Winn & Co., Russellville
		Guaranteed
92344	Raw Bone	G. M. Hedrick, Monticello
		Guaranteed
	Kentucky Fert. Co., Br., Federal	**Chem. Co., Inc., Louisville, Ky.**
92161	†Golden Leaf Tobacco Grower	J. E. Smith, Dixon
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN			POTASH			
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total	Equivalent to Ammonia	Muriate	Sulfate	Index of Relative Value	Station Number
10.05	2.30	12.35			0.40	0.91	1.10	3.20		23.5	92322
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
8.85	0.65	**9.50**			0.43	0.72	0.87	2.21		**19.1**	92107
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*1.00*		*20.3*	
11.85	1.50	13.35			0.39	0.86	1.04	**2.33**		24.6	92326
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
9.10	4.40	13.50			0.96	1.66	2.02	1.87		25.3	91851
10.00	*2.00*	*12.00*				*0.82*	*1.00*	*2.00*		*21.5*	
9.65	2.45	12.10			1.78	2.81	3.41	**3.01**		30.3	91857
8.25	0.90	9.15			1.17	1.91	2.32	**0.60**	**2.84**	**25.4**	91858
7.85	3.80	11.65			0.65	1.68	2.04	**4.23**		**25.1**	92113
8.00	*2.00*	*10.00*				*1.65*	*2.00*		*5.00*	*26.9*	
		31.20	60	40		**1.59**	1.93			37.6	92117
		20.00				*3.29*	*4.00*			*33.2*	
		23.55	64	36		2.97	3.61			**35.4**	91969
		27.00				*2.47*	*3.00*			*36.9*	
7.85	0.80	8.65			1.00	2.48	3.01	**5.08**	**0.83**	29.4	92124
7.00	*1.00*	*8.00*				*2.47*	*3.00*	*7.00*		*29.2*	
9.00	1.30	10.30			0.88	**2.05**	2.49	**3.88**	**1.53**	29.2	92127
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
12.65	0.45	13.10			0.72	1.75	2.12	**4.68**	**0.51**	32.6	91867
12.00	*2.00*	*14.00*				*1.65*	*2.00*	*6.00*		*32.6*	
8.60	0.95	9.55			1.49	2.53	3.07	0.64	**3.17**	**28.9**	92139
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
14.25	1.30	15.55			0.31	**1.09**	1.32	2.99		29.9	92402
12.00	*1.00*	*13.00*				*1.65*	*2.00*	*2.00*		*27.4*	
8.25	1.50	9.75			0.97	**2.02**	2.45	5.91		**28.2**	92150
9.35	0.90	10.25			1.81	2.40	2.91	**0.88**	**4.39**	31.6	92404
8.00	*1.00*	*9.00*				*2.47*	*3.00*	*6.00*		*29.5*	
9.35	0.80	10.15			1.76	2.23	2.71	**0.64**	**4.70**	31.1	92151
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
12.20	1.15	13.35			0.29	0.76	0.92	**3.41**		25.9	92405
8.00	*1.00*	*9.00*				*0.82*	*1.00*	*4.00*		*20.5*	
12.15	1.00	13.15						**4.17**		23.2	92407
10.00								*5.00*		*21.0*	
		21.15	57	43		**2.87**	3.48			**32.6**	92344
		22.00				*3.71*	*4.50*			*36.8*	
7.15	1.80	8.95			1.23	1.67	2.03	2.14		**20.7**	92161
8.00	*2.00*	*10.00*				*1.65*	*2.00*	*2.00*		*21.8*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Knoxville Fert. Co., Knoxville,	**Tenn.**
92413	Basic Bonemix	W. B. and V. G. Robertson, Adairville
		Guaranteed
	Louisville Fertilizer Co. (Armour	**owned) Cin., O., Nash., Tenn., Jeff., Ind.**
92169	Louisville Burley Tobacco Grower	M. B. Wallingford, Mt. Carmel
		Guaranteed
92173	Louisville Farmers Pride	Bishop & Bishop, Providence
		Guaranteed
	National Chemical Co., Louisville,	**Ky.**
91600	Big Pay Raw Bone 4½-22	Manufacturer
		Guaranteed
	North America Fertlizer Co., Inc.,	**Louisville, Ky.**
92416	†N. A. Crady's Formula 1-11-3	Ralph Milling Co., Hartford
		Guaranteed
92352	†N. A. 2-16-2 Fertilizer	I. K. Miller & Son, Campbellsville
		Guaranteed
91896	†N. A. Spl. Tob. and Pot. Fert. 3-8-6	T. C. Martin, Beaver Dam
		Guaranteed
92254	N. A. Raw Bone 4½-22	John H. Barnes, Beaver Dam
		Guaranteed
	Price Chemical Co., Inc., Louisville,	**Ky.**
91187	Raw Bone	Manufacturer
		Guaranteed
91188	Steamed Bone	Manufacturer
		Guaranteed
	Rasin-Monumental Co., Sub. of	**Va.-Car. Chem Corp., Cincinnati, O.**
91519	Rasins' Potato and Truck	Manufacturer
		Guaranteed
91523	Rasins' Pure Bone Meal (steamed)	Manufacturer
		Guaranteed
91524	Rasins' Raw Bone Meal	Manufacturer
		Guaranteed
	Read Phosphate Co., Nashville,	**Tenn.**
92355	Red Diamond 16-2-2	J. H. Jasper, W. Somerset
		Guaranteed
91912	H. Gr. Truck and Tobacco Special	Hollingsworth-Young Hdw. Co., Bowling Green
91913		J. S. Hamblin & Son, Auburn
92217		A. H. Dawson, Owingsville
		Guaranteed
92360	†H. Gr. Potash Mixture	J. H. Jasper, W. Somerset
		Guaranteed
92362	Red Diamond Favorite	J. H. Jasper, W. Somerset
		Guaranteed
	Smith Agricultural Chem. Co.,	**Columbus, O.**
91454	Smiths Sacco 14-4	Manufacturer
		Guaranteed
91456	Smiths Sacco 10-5	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
10.90	2.25	13.15			0.87	1.23	1.49	2.41		25.1	92413
10.00						*1.65*	*2.00*	*2.00*		*24.0*	
8.40	0.40	8.80			1.47	2.20	2.67	0.84	4.55	29.4	92169
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
8.90	9.15	18.05			1.34	1.90	2.31	1.00	2.80	30.0	92173
10.00	*1.00*	*11.00*				*2.47*	*3.00*		*3.00*	*29.8*	
		16.85	100			3.37	4.09			30.3	91600
		22.00				*3.71*	*4.50*			*36.8*	
10.05	1.40	11.45			0.40	0.94	1.14	3.71		23.9	92416
11.00	*2.00*	*13.00*				*0.82*	*1.00*	*3.00*		*24.2*	
14.75	1.90	16.65			0.91	1.58	1.92	2.78		32.6	92352
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
7.55	1.35	8.90			1.79	2.65	3.22	5.23		28.8	91896
8.00	*2.00*	*10.00*				*2.47*	*3.00*	*6.00*		*29.9*	
		18.15	90	10		4.29	5.21			35.3	92254
		22.00				*3.71*	*4.50*			*36.8*	
		14.55	72	28		4.45	5.40			32.4	91187
		22.00				*3.71*	*4.50*			*36.8*	
		27.25	89	11		2.10	2.55			35.7	91188
		30.00				*1.03*	*1.25*			*34.1*	
14.40	2.20	16.60				0.55	0.67	5.86		31.7	91519
12.00	*2.00*	*14.00*				*2.47*	*3.00*	*4.00*		*33.5*	
		26.45	72	28		1.78	2.16			33.6	91523
		29.00				*1.03*	*1.25*			*33.1*	
		27.10	65	35		1.79	2.17			34.3	91524
		20.00				*3.71*	*4.50*			*34.8*	
15.20	1.95	17.15			1.19	1.47	1.78	1.89		31.7	92355
16.00	*2.00*	*18.00*				*1.65*	*2.00*	*2.00*		*33.8*	
9.65	5.30	14.95			1.12	1.65	2.00	2.08	4.03	31.8	91912
9.00	5.90	14.90			1.22	1.70	2.06	0.88	6.47	33.4	91913
9.30	5.40	14.70			1.15	1.68	2.04	1.08	5.89	33.0	92217
8.00	*4.00*	*12.00*				1.65	2.00		8.00	32.2	
11.30	8.50	19.80						3.41		21.0	92360
10.00								*4.00*		*19.8*	
13.55	3.20	16.75			1.92	1.92	2.33	1.44		31.0	92362
11.00	*3.00*	*14.00*				*1.65*	*2.00*	*5.00*		*30.3*	
13.30	1.40	14.70						2.60	0.99	24.6	91454
14.00								*4.00*		*25.8*	
9.15	0.80	9.95						4.97		19.7	91456
10.00								*5.00*		*21.0*	

TABLE II.

Station Number	Name and Address of Manufacturer and Name of Brand	From Whom Obtained
	Swift & Co., (Fert. Works)	**National Stock Yards, Ill.**
92225	†Swift's Red Steer 3-8-6 Tob. Grow.	Ratliff Bros., Carlisle
92227		W. C. Bonta, Pleasureville
		Guaranteed
	Tennessee Chem. Co., (Armour	**owned) Cin., Nash., Jeffersonville.**
92229	†Ox 4-16-4 Fertilizer	S. B. Jones, Pembroke
		Guaranteed
92232	Ox Bone Meal	J. J. Shaver & Co., Mayfield
92365		H. D. Jones, Glasgow
		Guaranteed
92233	†Ox 0-12-4 Fertilizer	McChesney & Thompson, Trenton
		Guaranteed
91933	Ox Big Tobacco Maker 3-8-6	Vic Smith, Bowling Green
		Guaranteed
91936	†Ox Farmers' Pride	Young Hardware Co., Hopkinsville
		Guaranteed
92438	†Ox 0-16-8 Guano	J. A. Shaver, Greenville
		Guaranteed
	Victor Guano Co., Nashville, Tenn.	
91117	Bone Meal	Manufacturer
		Guaranteed
	Va.-Car. Chemical Corp., Inc.,	**Nash., Tenn., Cin., O., Memphis, Tenn.**
91220	Mt. Pleasant Truck Grower	Manufacturer
		Guaranteed
91959	†V-C Tobacco and Truck 3-8-6 (Potash from Sulphate)	Farmers Supply Co., Campbellsville
		Guaranteed
91961	†V-C Pure Bone Meal (Steamed) 1¼-29	Hatter Hardware Co., Franklin
		Guaranteed
91510	V-C Raw Bone Meal 4½-20	Manufacturer
		Guaranteed
91737	V-C Super 24 Fertilizer 4-16-4	Manufacturer
		Guaranteed

TABLE II.

PHOSPHORIC ACID			Percentage Of Fineness		NITROGEN		Equivalent to Ammonia	POTASH		Index of Relative Value	Station Number
Available	Insoluble	Total	Fine Bone	Medium Bone	Water Soluble	Total		Muriate	Sulfate		
9.60	0.40	10.00			1.65	2.27	2.76	**0.88**	**3.95**	30.6	92225
8.35	0.55	8.90			1.74	2.32	2.82		**5.37**	30.1	92227
8.00	*0.50*	*8.50*				*2.47*	*3.00*		*6.00*	*31.1*	
15.10	1.60	16.70				3.02	3.67	3.95		**40.1**	92229
16.00	*1.00*	*17.00*				*3.29*	*4.00*	*4.00*		*42.4*	
		25.00	100			3.30	3.96			38.2	92232
		23.95	100			3.78	4.59			39.1	92365
		27.00				*2.47*	*3.00*			*36.9*	
10.60	8.90	19.50						**3.55**		**20.2**	92233
12.00								*4.00*		*22.8*	
8.75	3.45	12.20			1.95	2.64	3.20		**4.06**	31.2	91933
8.00	*1.00*	*9.00*				*2.47*	*3.00*		*6.00*	*31.3*	
9.15	7.85	17.00			1.67	2.47	3.00	0.64	2.14	30.7	91936
10.00	*1.00*	*11.00*				*2.47*	*3.00*		*3.00*	*29.8*	
16.10	2.10	18.20.						**6.92**		**32.5**	92438
16.00								*8.00*		*33.6*	
		19.55	65	35		3.57	4.33			**33.8**	91117
		22.00				*3.71*	*4.50*			*36.8*	
17.75	3.40	21.15			2.67	3.14	3.81	**3.38**		44.6	91220
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	
9.55	5.90	15.45			1.89	2.40	2.91	**1.44**	**3.47**	33.2	91959
8.00	*2.00*	*10.00*				*2.47*	*3.00*		*6.00*	*31.7*	
		22.90	86	14		3.85	4.67			38.3	91961
		29.00				*1.03*	*1.25*			*33.1*	
		27.10	65	35		**1.79**	2.17			34.3	91510
		20.00				*3.71*	*4.50*			*34.8*	
15.40	4.65	20.05			3.40	3.40	4.13	**2.56**		**41.6**	91737
16.00	*2.00*	*18.00*				*3.29*	*4.00*	*4.00*		*42.8*	